

<110> Rosen et al.

<120> 64 Human Secreted Proteins

<130> PZ011

<140> Unassigned

<141> 2001-02-06

<150> 60/180,909

<151> 2000-02-08

<150> 09/669,688

<151> 2000-09-26

<150> 09/229,982

<151> 1999-01-14

<150> 1998-07-15

<151> PCT/US98/14613

<150> 1997-07-16

<151> 60/052,661

<150> 1997-07-16

<151> 60/052,872

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<150> 1997-08-18

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<150> 1997-08-18

<151> 60/055,985

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<211> 86
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cccgaaatat ctgccatctc aattag 86

<210> 4
<211> 27
<212> DNA
<213> Homo sapiens

<400> 4
gcggcaagct ttttgcaaag cctaggc 27

<210> 5
<211> 271
<212> DNA
<213> Homo sapiens

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aaatcatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
gcccttaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat 180
ttatgcagag gccaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t 271

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<211> 32
<212> DNA
<213> Homo sapiens

<400> 6
gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 7
<211> 31
<212> DNA
<213> Homo sapiens

<400> 7
gcgaagcttc gcgactcccc ggatccgcct c 31

<210> 8
<211> 12
<212> DNA
<213> Homo sapiens

<400> 8
ggggactttc cc 12

<210> 9
<211> 73
<212> DNA
<213> Homo sapiens

<400> 9
gcggcctcga ggggactttc ccggggactt tccggggact tccggggact ttccatcctg 60
ccatctcaat tag 73

<210> 10
<211> 256
<212> DNA
<213> Homo sapiens

<400> 10
ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60
caattagatga gcaaccatag tcccggccct aactccgccc atcccgcccc taactccgccc 120
cagttccgccc cattctccgc ccatcgctg actaattttt ttattttatg cagaggccga 180
ggcgcctcgc gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
cttttgcaaa aagctt 256

<210> 11
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (546)
<223> n equals a,t,g, or c

<400> 11
gaattcggga cgagctgggc tgcagttggc gattccgcgc ggtgaaagca gccagtgccc 60
agggtctcttt cctgagtgca cctgggcctg ccgcccggcg atgccatggg gtctgtcgct 120
gctttttac ttccgcgcct ctcactgtct ggtgtactgg gagggtagcc tgggaggcgt 180
gcctttatct ttccgaaccg ccgctcactg agacagtggc tagaagtgtc tcttggaact 240
gtgagtttagc cttaacctgt tatgccccca gagccctcag tggagcgcgc gtactttgcc 300
ggcatgacgt ttgatttccc ggtgataatc cgacgagttt gacagattga ggtagtggag 360
aaagtgtccc gtcagttggg gggcacttga cttcgtgcgg accctggcct tgctcttgga 420
agagatagtg ttcttagggc tggtttcaact gtctcttaag actgaarggt ggarctggga 480
tatagatgtg ttgtttcttt tcaaatcaaa cctgcttarg tcgtcactcg aaggggggcc 540
cggtanecaa ttcgccct 558

<210> 12
<211> 715
<212> DNA
<213> Homo sapiens

<400> 12
cggatttcga gtgctttttc ccttacctcc accctccccc atgttttaaat gcagccctcc 60
aaaaaatatt actgagtgtg gactctagac cagggcctgt gctaggatag aaagatgaat 120

gaggcaccac	ccttatcttc	gagtagtata	tggtttat	tattttat	ttttccctg	180
ctgcctccct	tgagtagtac	atgttttagt	aaggggaaca	gacactaaag	agtcctggta	240
atgatgagca	aagtactgca	tgagttaagta	tctggggggc	aagtgctccc	actaggactc	300
ctgtcagatc	tggaaaagc	ctgaggaatc	tgatacatga	cttaaatgcg	cgtatacttg	360
cagcctggaa	aactaagtaa	tgacaaaata	gacattcttg	tcagtgtag	ccattctctg	420
agtcemaggg	gagtacataa	ttcaaacccg	aattgggtcat	tttggagttt	gcactcttag	480
cagtatacag	tggagtgaaa	tttaagaatc	aatttaattt	cttttcagtt	tttatgtaca	540
taaaacctgc	ttactacaag	agaccaggtt	tattattttg	tggttggttaa	cattcataag	600
tatatctcat	cataataagg	ctccgtgaaa	ttagtcattt	tatcatcttg	caataaagac	660
atatatctga	aaataaatgt	tcttgaaact	gaaaaaaaaa	aaaaaaaaaa	ctcga	715

<210> 13

<211> 838

<212> DNA

<213> Homo sapiens

<400> 13

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tgctcctggt	ttgcttatag	aatcaaatat	gtctctcttc	tacctactgt	tttcattcta	120
catagtggtt	tcctctctta	tagttttacg	tcctctctct	aggaatgagt	ctattaagaa	180
aatagggtgt	atctttttag	tttggcattt	gactttcagg	ataatagagc	tatctgctac	240
tgacagaaaa	gctttgacaa	gtgtttaata	ctctgggatt	acctctcatc	tacttttgca	300
atcattatgt	gaacattgtc	ttccgtccac	atctayagcg	tagtagwtaa	caccgttgac	360
taaatccaaa	ctttaggcta	gggaaaaagg	gtatactctc	tggttttcgg	ttgtagatta	420
tgtttagatc	taaycaaaac	aggacagtgg	tccaaacaga	aaattgctat	ttctctgata	480
tgtaaaatct	aggatttgag	tttttaagat	gaattttatg	ttccctcttc	gatatacttt	540
ctcatctgca	gctcctaatt	cctggtacac	tggttatgga	gtgaggagag	acaatggaca	600
gtttttatata	agaaatggaa	gtaagtatac	tatctttctc	ggaattattg	caggcccccag	660
aggagatgat	gagcaaggac	tggtggcctg	tattacacac	aacagggttg	tagttactat	720
cccagcaagg	aaagggtgta	tcctttctct	ttcatgcaaa	ttatctatga	tgaccttaaca	780
gtttgatttat	agtgagtggg	ctaaccacaa	caataaaaaa	aaaaaaaaaa	aactcgaa	838

<210> 14

<211> 513

<212> DNA

<213> Homo sapiens

<400> 14

ctgcaggaat	tcggcagcag	ggaacaactc	catgtttttg	taaaggccta	gagaacatat	60
atccagtgcc	tttctctttt	gcctttgtat	tcatactttt	ggcaaatatt	tggaagatga	120
cggttctggc	caaaaaggctg	gtttttgttt	tggttcacat	tttcttgctt	ctctcggtta	180
gaatcttgga	ttagatgatg	gacatgggtg	agatctcagc	aacctcattc	actagaagat	240
catgtggatt	gggaatcaca	aatgggggaa	aaatggaaaa	gagtagcttt	gaaatagtgc	300
tggaagaccac	tgtagaccaca	gaatgtcaag	acacgtgctg	ccattactgt	tactattttg	360
aaaatacatt	cttgttaaatg	caaccttagg	gggtttgagg	gggaagtctg	ttggggaatt	420
aattgcaaga	aaaatatatt	acccctgaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	480
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	cga			513

<210> 15

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (565)

<223> n equals a,t,g, or c

<400> 15

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cccggcagc	gccgcgcgc	cggtactgct	acgggacgag	cgggagcgct	tggccatggc	120
ggcccgatcc	gcaactggcg	tgtgtgctgt	gctgccagtc	ctgtccctgc	cgggtgcagag	180
ycgtctcag	cccgcagaca	ccgcgccac	cctaccacca	atccccgggtg	gcaactcgct	240
aktgagcagg	ccctgcacca	gcctcgagct	ccacgcctgc	ggccccatcc	ccaaaccagg	300
ctgtctcatc	ctgtggccc	cgctggccct	gtggcccat	ctcctgtagg	gacgcccagc	360
cagccacctc	taagtgcgcg	ctgggactgg	ctggcccat	tgagcaacag	agacgcttga	420
cagccggccc	cctccattcc	ttgacttcac	ccagaaatgg	gtccagaaaa	ctgaatccca	480
ccagcactgg	tttggagcaa	ccggacaccg	agggtttacc	tccagggrtt	ccatggaaga	540
gcctcaatgg	agatgccaca	tctnactga	gttaaagatg	ggctgaggaa	cttgggtacc	600
cacaagtytg	ccttggrat	caaaagaaaa	tatttaccct	tagtttggtt	catataatgc	660
atgaagtcga	aatatgaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaactc	ga	712

<210> 16

<211> 652

<212> DNA

<213> Homo sapiens

<400> 16

gaattcggca	cgagcaacag	tggggcactc	tgctcccagg	caggtccac	tgggctgagc	60
cgcacagcct	ggctttgggc	ttccctgact	gcaccacca	catcasctgc	ctctagccct	120
taamatacaa	aaacttcccc	agtcactggc	cgccaggctg	agttggggga	tgtgtttacat	180
ccctgggtcc	actggggggc	agtggtggcc	atggtgtgtg	tgtctggctct	gccgagagggc	240
gttgaggatg	ctgtgtgggg	cggtgagcgc	cgcccccagc	tgatggaaac	cacgtaccac	300
ggccccaggc	tcagcctctg	agaaggactt	ccctgtgtca	ctcactcata	catgtctcca	360
ggagctgga	acatttccgc	agacaaaagt	ttccttcgaa	tttccctcga	atcgtccaga	420
tacttgagaa	catctcctcc	tcacctgtgg	ggtgtgtggg	cagtcctagg	cgtggggggc	480
gatgggtgga	cagctgtctg	tgccctgctg	gggtgtggca	gcccttggag	cacacagtgg	540
tgaagacatt	cctgaatatg	tctcaggctg	tagaaatctt	attttgtgga	aagatttttag	600
agaatcatca	aaataaactt	ttaccaaata	aaaaaaaaaa	aaaaaaactc	ga	652

<210> 17

<211> 742

<212> DNA

<213> Homo sapiens

<400> 17

ggctgaccca	cgcgtctgat	atgatctcct	tatccttctc	cctttgattg	atctttttct	60
ttgagctgat	ttgagcttct	ttcttttctc	tgtagtgtgc	ggaatcagct	cagttacatt	120
ttttactaag	ttacccacat	tctgcacact	cttgacagtk	ttaagatctt	cttctaacac	180
acttgatag	aatggatatt	ggaatctatt	ttgacagctg	ttgaaaaatt	cttctgttgt	240
tacaggagct	taaggagggt	atttgtaaca	ctgggattat	ttaatgaacc	ttttgaaaaa	300
gtgtgcaggt	tgttcaggca	aatagtattt	tttgaatta	aatgattttg	tttttcacag	360
ttaaattatc	aaatgtaatg	cttttaagaa	ttatacactc	agtaatat	ttcatttaatt	420
tctccaccag	tgtagtaata	gtacattaca	atgttctcaa	ttaccggtgc	cttctctaaa	480
cagggtgtag	agtcytaaag	tacagctagt	ctatkgccag	ctgtcccaat	gataaacctc	540
tcyttaaaar	tgaccttkgr	gcaattycat	aaagaataaa	tatttctagt	ttttgtgtgc	600
tgaactgcta	aaagatgggt	ctatcacatg	aacaggtggc	tttagttggg	ttgtcttcac	660
tgaattttga	ttcaataaaa	catctgcatt	attttaccct	tggattata	aaaaaaaaaa	720
aaaaaaaaaa	aaagggcgcc	cc				742

<210> 18
 <211> 1219
 <212> DNA
 <213> Homo sapiens

<400> 18
 aacgcactca atatttcagaa gtttgaattc taccactctc aaacacagtt caaaagatag 60
 ctgtttgaga atgcttctta actaataacta gtacaataatc ttcaataatg tatgtacctt 120
 atagaaaaatc ttgaacagta caagattttc ataattaaagg catgcacaaac tgcttgggct 180
 ctttgattcc aggtgtcttc ttctcccttc tgcttttgcc atctatgttc aataataatc 240
 taacccagtc taagtatgga gaaaatttct accctgctcg cttttatagc tcatacaaat 300
 tccctgtatc agctatcact tttctggtag gtgtagctcg attttctgtc gtcatgcctt 360
 tgccacaatc ctttctttga agagtaggta aaagatctat taaagtgtta atcacattgc 420
 tctaataatat aaagcctcca gtggtttccc atatcaactc gtaaaatgcc ccttgccagc 480
 ctctcccatc aacctgcgtt tttctgttct tgtatatgca catctcttc tgagccttta 540
 ttgccatcct catgtgggga tgtttctgtc tcagagatag tctttattca ggtcccaactc 600
 tgcagtcctc tccagagggg ctgctttcac caccctctct aagtaagcct ctctaaacac 660
 ctctatcata ttctatccct tagccagcac taatttttct ataagtgtta ccactaaactg 720
 aaatttactt tatcatttaa tctctctctc attagaaagt aagctcgtaa gggaggggca 780
 gctctgtagt ttattcatta ttgtatgtcc ctacactaat cctatgagtg tctggcccat 840
 attagggtat gtaataaata ttacttgagg aatgaatgaa tttaacatac taccaatctt 900
 ctgagtgcct ctttttaagg ccttcatcat cattcacact tcttctgtct tcataatgggc 960
 atgtccaatc acccttccat gaatatctgt accctgtaca aagagaggac taggttctgt 1020
 gagttcatag atgtaaacaa catcttaggg ktacgaaact ggtgggacct gggacaaatc 1080
 ctggcctgca cactgtatttt gtttgakttg tacaagtgtt gttataaatg aactggctga 1140
 taatatcttt taattggaaa tgtttacatt aaaaacctar acttctagct gctcttaaaa 1200
 aataaaaaata cggtggggc 1219

<210> 19
 <211> 874
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (461)
 <223> n equals a,t,g, or c

<400> 19
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 cagagttggg atttgaagtc gagtttagac cagctcttgac gattaaatc 120
 ttccagcttt catttttcac tgagataatg gtatgtatag tactgaactc taatgtgtgc 180
 atttgtgggt atgtgtgcca ttcagcttta atccccagaa gacaaggctt attccttttc 240
 ttatttttgg tcatgtttta tttttccatt gcttttaaca ggattaccaa aggcacactc 300
 agtagtcagt aaacacattt ctaggaaaagg tgttgtgtca tcatgccaca tattcatact 360
 ttctctgggt ggaaaataga tcatcagtaa aaacatacac gaaaaatgaa tcttgccaat 420
 gcaattgtta acctacaacc ataataatcc ttaagtatat ntttgacatc aagataaaca 480
 tgcgatttaa aacaataaac cagattgaga tctaaggagc attttgtaag taattactaa 540
 tgtttatttt agagagatca cacaacttca aataaaaaact gacatagatt gaacacctg 600
 agaataaact ttagtgccta atgtgaaaata attttttaca agtaaatgtg aagaacaatg 660
 tgaactttct ataattatat acagraaata tactgatttg ccaaaatgag taattttgat 720
 atattaatat ttcacttata agaatgcata ccactgatac caggatggga tccaggaaaca 780
 gaaaaagaac attagktaa aatgacagaa atctgaatat agtatagagt agctaaaaac 840
 aaacccaaaa aaaaaaaaaa aaaaaggggc ggcc 874

<210> 20

<211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> n equals a,t,g, or c

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gaaagctggcg cagaccctcc tgkatgcact cccwgcckck tktatcagaa acacaggcaa      120
ggaaattgga actgccaccc agcccagcat ggtggctcaa ttggttgggt gcgttgctcag      180
ttgtctcttc gttttgttaa ggtttttaat aagtaactgt gccataatgt ctttttaaggt      240
gtttgtaata tttgtaacgg ttttagcagc ctataacttt tcagctgggt cttttactta      300
gggaaaaaaa caatttgtaa atacagaaca ttgtttaaaa gacataacca tagaacatag      360
cttcctgttt gtggattttg tttcctatat attcaagta aatgactta caggaaaaaa      420
ataaaaaaaa aaaaaaaaaa aaaaaaatcg gggggggggc ccgg                                464
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<210> 21
 <211> 637
 <212> DNA
 <213> Homo sapiens

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<400> 21
gattttcctg cttgcatcat ttctagcaca gagctggagg aaatggcgag gtgcagggtg      60
ccgctggccm tgcgtgtcta catgggagca agacagctgc taggtggaagg ggaatgacca      120
ggcagccaca gggaggacat gtggcctcag gaagcctggg tgtgtatcct ggttctgcta      180
ggaacacatg tggggctttg tgtgggtgac tctctggctc cccaagctcc cctttccctac      240
tgtttatcgc tttaagtgcg tctgaggcca aagcctttgt ggcaattgtc aaatgagttc      300
atatgcagtg agtaccgtgt tgaggaggga caaggtcacc aagagcttag aatgtttctc      360
cgactgtatg gacctagata ttgggtacat ggaggtcccc ggtccctttg tgattcctgc      420
agcctggtgc ctcttgcct ggaccccgcc tcagctcaga aagccaattc cctagattcc      480
aaagggcttc ccagaccaat tagcatgtcc tgcagctgct agctccctgt gcctagcctg      540
gacctcagct catgtctagc acccagttcc ccaaccccac acatattcac aaataaaaga      600
aaataacaaa tgaaaaaaa aaaaaaaaaa aaaaaat                                637
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<210> 22
 <211> 752
 <212> DNA
 <213> Homo sapiens

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<400> 22
gaattcggca cgaggggatt acaggcatga gccaccatgc cgggccatat aaagcattta      60
ggatagttag ttgctatttt tatttattta ttattgttgt tttattata ttactacttt      120
atccattctt acaaagatgg catgttgcca acattgtctt tctaaagaat atctctgac      180
acatccttgt tctattaaaa accctttgaa agctccctct tacctttaga agaaattgga      240
acttcatgat tctctcatggt ctggctccag cactgagctt ggaatgctag tgtgagatga      300
ggccttagaa gtccatccagc agaatctctg gaatttttat agatgaataa atgtagatc      360
cagacatttt tcyttgttgc cccctgtamg ccatgtctcc ttcagactcc ctggataaga      420
ctgcagacac tcaccattct cttaaacag aactacaact gccttcactc atttgatcac      480
ctggttccag gtaactcatg agctttgtag cttccctctt ctacagactt ccaaggaaga      540
caatggcata atttttccca tatgctctaa ttagcaacct ttcctcgccc ttctgtgggt      600
ggcagcggcc ggacacagtg ggtcacactg gcaacctgta atcccagcc ttggggaggc      660
tgaggtgggc agattgcctg agctcaggag ttcaagacag tctgggttaac atggcaaaaa      720
cctgtctcaa aaaaaaaaaa aaaaaaatcg ga                                752
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<210> 23
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (486)
 <223> n equals a,t,g, or c

<400> 23
 aagctggact cgcgcgcttg caggctcgaca ctagtggatc cmaaagaatt cggcacgagc 60
 aaggaccagc aagtaggggt ttggcctagg taacggggca gagatgtggt tcgagattct 120
 ccccggaact tccgtcatgg gctgtgctt gttgattcca ggactggcta ctgcgtacat 180
 ccacaggttc actaacgggg gcaaggaaaa aagggttgct cattttgggt atcactggag 240
 tctgatggaa agagataggg gcatctctgg agttgatcgt tactatgtgt caaaggggtt 300
 ggagaacatt gattaaggaa gcattttcct gattgatgaa aaaaaaact cagttatggc 360
 catctacccc tgctagaagg ttacagtgtt ttatgtagca tgcaatgtgt tatgtagtgc 420
 ttaataaaaa taaaatgaaa aaaawrmaa aaaaaaaaa aaaaaaaaa aaaaaaaaa 480
 aaaaanaaaa aa 492

<210> 24
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 24
 actcatataa gaaagcagta cgcgcgagta cgggtccgaa ttccgggtcg acccacgcgt 60
 ccgcccacgc gtcgcgacct ccttggctg tggggagggg ctcccatgcc ctgtgtggct 120
 ctccgggtggg ctgtcgcccc acactgctct tcttctctct tcacgaatca cgcaagcctc 180
 ctagtctggg ctgatgagat aacctggata tcttgggtgc cgggtaagga tttacatgct 240
 tatcatgggt tttttgtgtg tgtgtgtgtt tggtttttt tttgatggga gccctcagatc 300
 gccgtctgtg ctaatcatcc atcttggccc tgccccaca tttctgcaaa tttaaatatg 360
 agatttgtcc ccttaggtgc acagtccaga ccccatccag tccagctcct tttaaagcca 420
 catggaaaagt cagctgagaa tggtttggga gcccaggtgc gctgtcttcc gccctgccct 480
 ctccctgaaa taaagaacag cttgacagaa aaaaaaaaa aaaagggcgg cc 532

<210> 25
 <211> 920
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (907)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (914)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (920)
 <223> n equals a,t,g, or c

<400> 25
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 ttttaaaaaa aatttacttt tattgatgtg tactcttctt attgatgagt taattccata 120
 aatctctact tagtttaact tattggatca aattatcttc agcatgtata tctggggaaa 180
 aaagggtcga attttcacat ttatatattaa acttcaattt ttatatattta aacttcaatt 240
 ttttagcaac agctgaatag ctttgcggag gagtttaata gttacacatt catgctaata 300
 tacatttctt ttaaacatcc acaaatctct aaaaagrttg aatcagtaaa ttctatttca 360
 gctaaaaatg gagtctaata tattgtttca aaagatacat ttttaccocac cataaatgtt 420
 acaatatctg aatatgtctt gtcaaatat cctcttatgc aatcgtcttc atattgtttt 480
 tatgattcta atcaagctgt atgtagagac tgaatgtgaa gtcaagctgt agcacaaaaa 540
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 gcggggaaatg ggaatccttg ctgcactgtt gcagtcattc tgaaggagacc ttccctctga 780
 ctacactctc aacatgcttc acctctatca acgtcacatt ttgtattttt caaacagta 840
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<210> 26
 <211> 917
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (434)
 <223> n equals a,t,g, or c

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 cagaatgtca fatagtggga atcatacaat tgtgcagact ttttagattg cctcttttca 180
 cttagtaaca ttttaagttc ctccaccctt ttcatgtgct tgatagttca tttcttttaa 240
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 gaggaaaaaga cagtgggatc caaaactgaa tggctctatca ataaatgacg catggatcat 420
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 cgcttgaaac caggaggctg aagttgcagt gaggctgagat catgccattg cactccagcc 840
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 ttacagacta gtctcga 917

<210> 27
 <211> 662
 <212> DNA
 <213> Homo sapiens

<400> 27
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ccgtgtggcg	catcatatca	acctgccagt	ccccctcacc	tgggtttaat	ctcccagagg	600
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ga						662

<210> 28

<211> 699

<212> DNA

<213> Homo sapiens

<400> 28

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gtcttgttct	gtctctttcc	cattgtccca	aatagccaa	cacaggttca	accaccccaa	420
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<210> 29

<211> 1637

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (726)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (727)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (728)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (899)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (901)
 <223> n equals a,t,g, or c

<400> 29
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 aaaaaaaaaa aactcga 1637

<210> 30
 <211> 2142
 <212> DNA
 <213> Homo sapiens

<400> 30
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 <211> 1564
 <212> DNA
 <213> Homo sapiens

<400> 31						
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ggggg						1564

<210> 32

<211> 1631
 <212> DNA
 <213> Homo sapiens

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<210> 33
 <211> 978
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (27)
 <223> n equals a,t,g, or c

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<210> 34

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (452)

<223> n equals a,t,g, or c

<400> 34

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gcactgcagg	gaccaactat	aaatggtggt	tttggttttt	tacgtgttaa	gagctttaaa	240
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taaaactttg	aataattttt	ccttgaagaa	atgttgaact	tttctgcaag	ctgtttggaat	360
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<210> 35

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (311)

<223> n equals a,t,g, or c

<400> 35

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actttctgct	taaagtggac	cttgacttct	ctttatcttg	ctccatttgc	acctgaaact	180
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cactgtgaag	atagaacatg	ctgggaaatc	caaattaaaa	atgacagttg	gcacaaagct	300
gaacttctgg	nagggaccaa	ggaaaagtag	ccagagtggc	aggatagctg	cttccatcgt	360
ggattgccag	caatgtaaag	cgtagactcc	agaggacacg	tgctaactta	aattaactat	420
gcaggcatca	gtacttctgg	ttctgatggc	ccggggattt	ctaagtagta	gtgagttcta	480
gcatttattg	ttatacagtc	tactgctaga	tgaacaaagg	taagttctca	gagaaggtaa	540
attatagaaa	ttaggccccc	ttcttcttaa	gaatacaaaa	aattagccgg	gcgcggtggt	600
gggtgtcctg	gggtccagct	actcggggag	tgacgcagga	gaatggcggt	aaccggggag	660
gcggagcttg	cggtggggcc	agatagcgcc	actgcagctt	ggcctggggc	aaagagcgag	720
actccgtctt	aaaaaaaaaa	aaaaaaaaac	cgta			754

<210> 36
 <211> 699
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (483)
 <223> n equals a,t,g, or c

<400> 36						60
gaattcggga	cgagcggcac	gagccacett	ctcagtcacg	tctatgggta	tgacagttta	120
tctgctgaaa	accctactct	gcttctttgt	tgctctaccg	atgcaggtgc	cactcataat	180
ctctcttccc	ggactcagga	acagcaagac	tgttactatg	ccattgtccc	ctgccctccc	240
tcccaccctc	cttttttttc	ctctctccac	tcctcttctt	caaccttttc	tttctgtttt	300
atgctgcttc	aagtattaat	tttaaaattg	ttctacaaga	atgcgattta	tcagaaggat	360
gtgaaccaag	cagaatttct	tagtatcttc	tgctcttagg	gcattcccc	tgtgtggktt	420
aaaattttgc	ccccatttct	ttttgcctgt	ggaaacttat	cttattcttc	aagagactcc	480
tamtctaat	agcactttga	atttaacctc	cctggtagtt	cttctcagcc	aaatttcacc	540
ttnttgaaaa	caggattctc	tgttctccat	gtctggctaa	ttttgtatt	ttttgtggag	600
acaaagtctc	actatgttgc	ccaggcaggt	ctcaaacacc	tggtccttaag	ccatctctcc	660
accttggtct	cccaagtgtc	gggattataa	gcattgtgca	ctggaccacc	ccagagacc	720
tgctctctta	aaaaaaaaaa	aaaaaaaaaa	aaactcgta			780

<210> 37
 <211> 971
 <212> DNA
 <213> Homo sapiens

<400> 37						60
gccaccgagc	gcgagttcct	gggtgcgcgc	gcagctgtga	gcgcgagggg	caaggcgggtg	120
cagaccgcca	tctctgggcg	gcgccatgag	gtgggtctcg	cctgcgtgct	ctcgaccacg	180
tgcttcaggg	atctggcgca	accccgacgc	ggcgccaaga	tgctcgacca	caggagaggg	240
ctgaggaaact	cgccctgcgc	cgtgtctgaa	ggctgcaccc	tgctatctca	ggctttaagg	300
gagaggtctt	cgccccaggc	tttaccgcga	gtgaattcca	attctgtgaa	ttagaccccc	360
acccccatac	ccctctctcc	acccccagac	taaaaggaaga	tacttactct	ctgccccctc	420
ccattttata	caaaagaaatc	atagggtgaa	ccccctaccc	tcaccaacgt	taaatgctcg	480
agaggaaact	tcacaaaggc	agggccatgc	acgcaaccctg	cacacgcact	tgaggggccc	540
aggtgtctct	ccaccagccc	ccatgcagta	gggaactggaa	gatattgcat	ctgctggtgt	600
tgttatcaact	ccccccccct	acccccagcc	gtattctcga	attttctcaac	taaatattsat	660
tattggggcag	gaaggaggtc	atgggttcat	ttcaattttgt	tttttttgtt	ttttaattaa	720
aagaaaaggtt	acctcagttt	tcactcctta	gcacatggatg	tagctacctt	tttttgtatg	780
tctttttttt	tttaagcaat	cgtgttgaa	taggagata	cttggtgtgtg	aaagagctatg	840
aatttgcctat	gtgatttgca	aattggggga	agctactgtg	agcgtgtgtt	tttttaattt	

acacatata	gtgat	tttcccc	cgtaag	ttaccttg	tgactgg	900
tatttatt	atctatta	atgttat	tctcagaaa	aaaaaaaa	aaaaaaaa	960
aaaaaact	c					971

<210> 38
 <211> 872
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<400> 38						
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cttaccagg	caaccaggac	tacagtatac	attgtggaca	ttcaggacat	agattctgca	120
gctcggggccc	gacctcactc	ctacctcgat	gcttactttg	tcttccccaa	tggttcagcc	180
ctgaccyttg	atgagctgag	tgtgatgac	cggaatgac	aggactcgct	gatgcagctg	240
ctgcagctgg	ggctgggtgtg	gctgggctcc	caggagagcc	aggagtcaga	cctgtcgaaa	300
cagctcatca	gtgtcatcat	aggattggga	gtggctttgc	tgctggctct	tgtgatcatg	360
accatggcct	togtgtgtgt	gcggaagagc	tacaaccgga	agcttcaagg	tatgaaggct	420
gccaaaggag	ccaggaagac	agcagcaggg	gtgatgcct	cagccccctg	catcccaggg	480
actaacatgt	acaacactga	gcgagccaac	cccatgctga	acctcccaa	caaagacctg	540
ggcttggagt	acctctctcc	ctccaatgac	ytggactctg	tcagcgtcaa	ctccctggag	600
gacaaactctg	tggatgtgga	caagaacagt	caggaaatca	aggagcacag	gccaccacac	660
acaccaccag	agccagatcc	agagccccctg	agcgtgtgct	tgtaggacg	gcaggcaggc	720
gcaagtggag	agctggaggg	gccatcctac	accaacgctg	gcctggacac	gcaggacctg	780
tgacaggggc	ccccactctt	ctggaccctc	tgaagaggcc	ctaccacacc	ctaactgcac	840
ctgtctccct	ggagatgaaa	atatatgacg	ct			872

<210> 39
 <211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (16)
 <223> n equals a,t,g, or c

<400> 39						
ccatacgcan	accgntctc	cccgcgcggt	ggcgattct	tatggcagct	ggcacgacag	60
gtttcccgat	ggaaagcggg	cagtgagcgc	aacgcaatta	atgtgagtta	gctcactcat	120
taggcacccc	ggctttacac	tttatgcttc	cggctcgat	gtkggtgtgga	attgtgagcg	180
gataaacaatt	tcacacagga	aacagctatg	accatgattt	acgccaagct	cgaaattaac	240
cctcactaaa	gggaacaaaa	gctggagctc	cacgcggtg	cgcccgctct	agaactagtg	300
gatcccccg	gctgcaggaa	ttcggcacga	gtttgggtgg	agtttccaa	gtgaaagttt	360
ctgaatttgt	caatcagtga	cgcttttgta	aagatggctc	atgtgtgtgt	cgctcgcaat	420
gaatgcctga	taagggcttt	tctgtttctt	ttgcactgtg	taagtttgct	cccatcgctc	480
ggggaaagtta	atatcagaca	cacacttttt	acggtagaag	agaggttgac	tactccaagg	540

gcactgaaac tctactgag ccttattgtt tctctacacg cgamtgcag aaagcaggag 600
tgctcgta 608

<210> 40
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (850)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (851)
<223> n equals a,t,g, or c

<400> 40
ctgtaaatgac acacaactca gaactcttca gcatttgtgt gattccttac ctctggetga 60
taaaaactcta atgggttgtg gcttactttg ttccattttt ctttggcttt gtgcaatttt 120
tgtgttaactt taactgtacc tatattttct gtttacagtt ctttttaagg ggaggggtag 180
ggttctaaga tcttgttgtt tattgtagat aaaaattttt tegtgttgta gaaaagcatg 240
ggttatgcgt ttgactgaaa aagacactgt attattttacc aaaggggtat tgtttttgca 300
tttgtttata aatgcattat ttgtgtactg taaatttggga cataatttct gagtttatta 360
ctactggcat ttctttttt cctttttttt ttttttaacc gtaagtgcac gatgcagggtg 420
cataggccct agaccaactc agaccaccag catgttcatg tccagacctc ggcagtggtgg 480
tgcaatgcgt gtgcacctca gtctctccag tgttgggttg tttgtttttt aattcagcat 540
cctgtctggt ttactttcca agcaaatgat gttgcgactc ccaaatgcgt tttaatgagc 600
tcactccttat tgcctttctt tcttactgat ttgtgtatt agattgtgca ggagatattc 660
tagaaggcat taatgggttg cattcaaaac gatgtgtgtt gtccaagtta ttttctgtct 720
ttattactga gacggattaa tctccttatt ttttcttga tgatttgaag ttgttaacagt 780
tgtccagcta ttgcttaata aaattttgca gatcaaaaaa aaaaaaaaaa amctcggggg 840
gggccccggn nccca 855

<210> 41
<211> 1042
<212> DNA
<213> Homo sapiens

<400> 41
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ggaacctctt aatctcagca tccggagctc cagggaaggga aaatttcaag tcagatagaa 120
tctatataat accattttct tggaaacctc agccctcaag attccaacat catgacctca 180
gtttcaaacac agttgtcctt agtctcattg tcaactgctt tgggtcgtgc ttgttgggaa 240
cgagttagaag ccggtgatgc aatgcgccct ttgttaggtg tggttctcag cattacaggc 300
atttgtgcct gcttgggggt atatgcacga aaaagaaatg gacagatgtg accttgaag 360
gcctactgag tcaaacctca ccttgaatac ctttgcgctt tagaggctaa acctgagmtt 420
tgggtgtgtg aaggttccaa gaatcagtaa ataaaggagt ttacattttt tcatgtttc 480
catgaaatgg caacaaacat acatttataa attgaaaaaa aaatgttttc tttaacaa 540
ataatgcaca gaaaaatgca gcctataatt tgtagttagt gtatgcaaa aagtaagatg 600
gctgaaatatt acataagtaa tatttataa tcttagaatt ctctcaaaagc atgtgaaata 660
ggaagaaagg agttcttggc cagaatctta ggaatcacc actgttcggt tataatcact 720
gcctcctgaa tctgttagga gtcttttaaa ttgatttttt gtttgtgtgt cctccacagt 780
aatattatatt tatagatata gagagtcagg yaaaaaggaa accttttatt tctaggggaa 840
aaacatttag aaaaattgat tcatgtatc taatactgaa atcgggaaaa aaatttattg 900

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ttaaaaaaaaa actatagaca ttgacatgga aaagagattt aatgttttga aaaaaaactt      960
tatattaact gagtaacatc ctctgatga gaagtactat attaaatata aaccattat      1020
gttataagtt aaaaaaaaaa tt                                           1042

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<210> 42
<211> 702
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (515)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (614)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (673)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (677)
<223> n equals a,t,g, or c

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<400> 42
gggacaatga actccttctg gtctaagtta ttggtgctgc ccctgctggc tccgctgtcc      60
atggcccagag cctctgcctg tcagagatgg tagagccacc aggacatgga gtcattgctg      120
acacagggaa acatgagatg tcttaggttt ggtgtatgtg aaacatgcat gagaaataga      180
ggccaaaagt tccactgtgg agcgcagaca gaatgggtctg aatgctcttg cagttactac      240
gtcagtagtt tgtcatctaa tatatattat acatctataa cctatgtatt taccttattg      300
tgataaatac gttttgtttt gttttttttc taattttgct ttgtgcaaaag ccaaatccct      360
ttcagcgaca ttgagctaaa aaaaaaaaaa agtgcatgtt taggggctggg cacgggtggct      420
catgcctata atctcagtag ttctgggaggc cgaggcgagg ggatcacaaag gtcaggaggt      480
cgagaccagc ctggccaata tgggtgaaac acgtntctac taataataga aaatattagct      540
gggcatgggt gtgggtgcct atagtcocag ctatgcggga ggctgaggca ggaacacccg      600
cttgaaccct ggangcggaa attcccagtt gagccaagat cgcgccactg cactcccagc      660
ctgtgttgaca gancganact cttgtctcca acaaccagca ac                                           702

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<210> 43
<211> 642
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (593)
<223> n equals a,t,g, or c

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<400> 43
aattcggcac gagcggcggg gtcgactgac ggtaacgggg cagagaggct gttcgcagag      60
ctgcggaaga tgaatgccag aggacttgga tctgagctaa aggacagat tccagttact      120

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gaacttttcag	caagtggacc	ttttgaaagt	catgatcttc	ttcgaaaagg	ttttcttctgt	180
gtgaaaaaatg	aactttttgcc	tagtcacccc	cttgaaattat	cagaaaaaaa	tttccagctc	240
aaccaagata	aaatgaattt	ttccacactg	agaacaattc	agggtctatt	tgctccgcta	300
aaattacaga	tggaaattcaa	ggcagtgacg	cagggttcagc	gtcttccatt	tctttcaagc	360
tcaaatcttt	cactggatgt	tttgaggggt	aatgatgaga	ctattggatt	tgaggatatt	420
cttaatgatc	catcacaaag	cgaagtcacg	ggagagccac	acttgatggt	ggaataataa	480
cttgggttac	tgtaatagtg	tgctgttcat	ggaaccggag	ggctgcatct	tgtttatagt	540
catctttgta	ctgtaatttg	atgtacacaa	cattaaaagt	actgacacct	ganaaaaaaa	600
aaaaaaaaa	aaaaaaaaa	aaagcggccg	cgaattaaag	cc		642

<210> 44

<211> 1219

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (26)

<223> n equals a,t,g, or c

<400> 44

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tcagagctca	goccaaaggca	gaatctaaaat	cacactattt	tcgagatcat	gtataaaaaa	120
aaaaaaaaga	agtcagtgctg	tgtggccaat	tataattttt	ttcaaaagact	ttgtcacaaa	180
actgtctata	ctagacattt	tggagggacc	aggaaatgta	agacacccaa	tcctccakct	240
cttcagtggtg	cctgatgtca	cctcatgatt	tgctgttact	tttttaactc	ctgcgccaag	300
gacagtggtg	tctgtgtcca	cctttgtgct	ttgcgaggcc	gagcccaggc	atctgtctcg	360
ctgccacggc	tgaccagaga	aggtgcttca	ggagctctgc	cttagacgac	gtgttacagt	420
atgaacacac	agcagaggca	ccctcgtatg	ttttgaaagt	tgcccttctga	aagggcacag	480
ttttaaggaa	aagaaaaaga	atgtaaaaact	atactgacc	gttttcagct	ttaaaagggtc	540
gtgagaaact	ggctggtcca	atgggattta	cagcaacatt	ttccattgct	gaagtggagt	600
agcagctctc	ttctgtcagc	tgaatgttaa	ggatggggaa	aaagaatgcc	tttaagtttg	660
ctcttaactg	tatggaagct	tgagctatgt	gttggaagtg	ccctgggttt	aatccatata	720
caaaagacgt	acataatcct	acagggttaa	atgtacataa	aaatatagtt	tggaattctt	780
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gatgcacttt	aggatgtttc	ctatttttga	aatctgaaca	tgaatcattc	acatgaccaa	900
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ctatgatatt	aatcagatata	ctaccagtta	gtttttaaag	cacattttgt	taagactatg	1020
tttttggaaa	aatacgctac	agaatttttt	tttaagctac	aaataaatga	gatgctacta	1080
attgttttgg	aatctgttgt	ttctgcacaa	ggtaaaattaa	ctaaagattt	attcaggaaat	1140
ccccatttga	atttgtatga	ttcaataaaa	gaaacaccca	agtaagtatt	ataaaaataaa	1200
aaaaaaaaa	aaaactcga					1219

<210> 45

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (427)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (437)

<223> n equals a,t,g, or c

<400> 45

gaattcggca	cgagggcggc	accaggggagc	ctgggctccc	ggggctccgc	cgcgacccca	60
tcgggtagac	cacagaagct	ccgggaccct	tccggcacct	ctggacagcc	caggatgctg	120
ttggccaccc	tcctcctcct	cctccttgga	ggcgctctgg	cccatccaga	cgggattatt	180
tttccaaatc	atgcttggtg	ggacccccca	gcagtgctct	tagaaagtgc	gggcacctta	240
cagagggccc	tggtccggga	cagccgcacc	tcctctgcca	actgcacctg	gctcacaaaa	300
agagtgcac	aaatgcttct	attccatagc	tacggcattg	ctcagtaagt	tgagggtcaaa	360
aataaaggaa	tcatacatct	caaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	420
annaaanaaa	aaaaaaan					437

<210> 46

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (305)

<223> n equals a,t,g, or c

<400> 46

gaattcggca	cgaggaccct	atcttcaaaa	aaagaagaag	aagaagaaaa	ccatgacagg	60
tgtctttaa	ctgcccttgc	tggtctgggt	tcatgaagca	tctgtgggag	gttgcccata	120
tgtaaaatta	gttgagtttg	aagaaatgtt	aacgttatat	ggtattcttt	taattttggt	180
ttaaaaaata	ttttctcat	tcaaatcctg	aattagaagt	tgtttggtat	aaattattgaa	240
aattgttgag	gggagaattt	attcaagtt	taatcatttg	ctttatctat	gttatactta	300
gctantagtt	actgggaagt	tcaagtttta	tttttagatc	ttactagag	tctaaagtaa	360
ttactaaaag	ctagttttca	aataatatgt	aagagtaaa	tcctgagtta	aaagatttag	420
catactgaat	taacttagtt	gactgatgct	gtacttacat	gggcctccta	tttcttggtg	480
ccaagatagc	atcaacagaa	aaaaaaaaaa	aaaaaaactg	agggggggcc	cgg	533

<210> 47

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1300)

<223> n equals a,t,g, or c

<400> 47

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gggaaaaggc	caaaggacaa	gggcctcttc	tccatttggt	tttcctgtgg	gcagaagggc	180
tgaggaagat	ggccccagccc	gtgggggctg	ctgggtcacc	ancagyggtg	agggtgcaat	240
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aaaaccagc	catcggggaa	gggtcagggc	ttctgtggaa	cttggaacct	gccaggacca	360
cctgcacaa	ccagggtgcg	ttgatcattc	tcagatcatt	gattggcctc	cacttgggta	420
tgtgaattat	tcattgtccca	gaagacacaa	aagtgcctcg	gttctgagat	gagtatttta	480
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agcaattcac	tagacaatct	tcacatgaat	gtcggtagcc	agggctctct	ccgaggggatg	840
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ggcctcggac	cccaggctcc	atccctggct	tccccagcct	gcggccgcga	gcacaaacaa	960
gcgcgagatg	cagcatagcac	ccttcataac	catccccgtt	ctcagcggga	caacaccatg	1020
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ttgtttacag	ctcttaaaac	atgggtgagg	atgcctaagt	cttagtgacc	aaacgtgacc	1200
ttgaaagcag	acatagcatg	acagaccttc	tggtcgggtt	ccagtgacc	ccagtgacc	1260
gagagctcag	tccagcacac	actcgggaaa	gggatgcgcn	cccaaggggg	acaaaaaggg	1320
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ttagctcttc	taagaaatag	atcatggagc	caagtgaagt	gcacttttct	aaatgtgaag	1440
gtctcgtttt	ttcttgttgc	ttttctgttt	tttaaccttt	tgctccgcac	tttaaaaaaa	1500
gaaaaaaaaa	aagcttatgt	ttcttgtcaa	atgcagaaat	gttctctccg	ccactcactg	1560
aagtttttgc	ttctggcttg	tgcagttttt	attgtctgtg	tcagacgtac	agccagacat	1620
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<210> 48

<211> 926

<212> DNA

<213> Homo sapiens

<400> 48

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agaagcaaca	aggaactata	ctcaactcaa	aacttttttag	gagaatcatg	aaattggctt	720
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<210> 49
 <211> 1593
 <212> DNA
 <213> Homo sapiens

<400> 49						
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<210> 50
 <211> 978
 <212> DNA
 <213> Homo sapiens

<400> 50						
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caagcctctg	gcttcggcct	ccggctctct	ctgcacccgt	ccgggtggctc	cttcatccaa	180
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caacaacttc	ccgcactctca	tgtggtcgctc	ctctgtgtgt	gggtccccat	tygtttctct	420
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<210> 51
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (424)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (430)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (431)
 <223> n equals a,t,g, or c

<400> 51						
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gggacaggca	caagggaagc	ctccagcccc	ttttctgcca	caagcaagag	gcactcagcc	180
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aaggcagcat	atggtttgtg	caatataaat	ggtacagaag	tccacagagc	aaaagggccca	300
gtttctgtct	cctttctctc	ctccaggcct	ctttctggga	ccccattatt	ggatagatta	360
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<210> 52
 <211> 861
 <212> DNA
 <213> Homo sapiens

<400> 52						
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accacaggac	taactgactg	aaccacactc	caccatttgc	ccctatttcc	aggcggtatg	180
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tgtcatccca	gcaaggcagg	cgaatcgctt	gaacccggga	ggcggaggtt	gcggtgagcc	780
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aaaaaaaaaa	aaaactcgta	g				861

<210> 53

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (396)

<223> n equals a,t,g, or c

<400> 53

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cccacgtttt	atttcccttc	agagctgtga	atgggcagg	ctgtctctgg	tttgccatca	180
ctgagttttt	cccattgcatt	ggccccagg	ctgctaggat	gtgagacaaa	tctccctaca	240
atgggcttgc	tcccattgtc	tgtacagttt	aatagatgct	ggcatgtcgg	aggttaccca	300
tgagtcaaaa	tccgctctcc	atgottactc	ttgacacccc	attgaagcca	ctcattgtgt	360
gtgcgtctgg	gtgtgaagtn	ccagctccgt	gtggtncctg	tgcttgtact	gyccctgctt	420
tgcatgtcct	ttgcacttac	tcacgcagtg	ctgttttgaa	atgctgacat	tatataaacg	480
taaaagaaaa	aaaaaaaaaa	aaaactcgta				510

<210> 54

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (305)

<223> n equals a,t,g, or c

<400> 54

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gtttgacaat	tgtatgtgac	ttctaccaca	ataaaatata	gaacattttt	atcattctat	240
aaaaaaaaaa	aaaaaaaaaa	tcgagggggg	gcccgggtacc	caatcgccc	tatagtgtgt	300
ngtancgtc						309

<210> 55

<211> 1585

<212> DNA

<213> Homo sapiens

<400> 55

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gtaactttcca ggttttatatc aatatgagct gactttaact gagtgtgtt ggataggghaa      180
gaagcagtcct ctctacagta tacaactact gcttgccagc tggatcaaaa taatcatgtt      240
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cgaattatat tatccctctt tttaaagaaa cagtcgttat atgctgatgt ttcttaaaat      420
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<210> 56

<211> 874

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (546)

<223> n equals a,t,g, or c

<400> 56

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gacttcgtgc aggaagatgcg cgccgtgggc gagagggctgc tgcctcaagct gcagagactg      180
cccagcgctg agccagtggg atcacgtggcc ttctcagtc aatctccttt cacagactact      240

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<210> 57

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<400> 57

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taggtctccac	tgctgagttt	tctaaaaaag	ggattttcct	gggtcaacag	tatcttaaca	1140
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<210> 58

<211> 1066

<212> DNA

<213> Homo sapiens

<400> 58

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 <211> 772
 <212> DNA
 <213> Homo sapiens

<400> 59						
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ccctcggagc	tctgacccac	cagctggagg	gtgggaaatg	ccacagagca	gggtctctag	600
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cctgaccacc	cagctgggat	ggatatagag	acaggtgtca	tgttcagaaa	agcctgccct	720
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<210> 60
 <211> 1198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1189)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1191)
 <223> n equals a,t,g, or c

<400> 60						
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cagcaaatga	gacagggttg	acagttttta	aatctctctc	aacaaagaaa	ctggcaggta	480
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aagtatgttt	aacaggccat	gcattaaaaa	taaatacaaa	aataataaaag	ccgcttaaaag	600
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ttgtgtaaaa	actgatgtaa	tatgtgtatg	aaacactgta	tgatatattc	gtatatagtg	1080
tgacaaatct	atttttcttt	ctttcttttg	gatgtattaa	taaatctctg	tgtgaagtaa	1140
aaaaaaaaaa	aaaaaaaaac	gagggggggc	ccggtaccga	ataaccctnt	natgatct	1198

<210> 61
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 61	ctgcaggaat	tcagcacgag	ytggcatgtg	acaaccagg	gctgcctgaa	aatggatacc	60
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	gcttttagct	catgggtgaa	gtgaccatcc	gctgcatcct	gggacagcca	tccactgga	180
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	cctacattta	catcacaaaga	tgtcgtact	attccaaact	ccgctcgcct	ctgatgtact	360
	cccaccctta	cagccagatc	accgtggaaa	ccgagtttga	caaccocatt	tacgagacag	420
	gggaaaccag	agagtatgat	gtttctatct	aaagagagct	acacttgaga	aggggacctg	480
	tgaactcaac	cacaatctcc	tcgagggggg	gccggtacc	aattcgcsc	atagtgaatc	540
	gtattacaat	taattgggc					558

<210> 62
 <211> 616
 <212> DNA
 <213> Homo sapiens

<400> 62	gaattcggca	cgagctctga	cagcctggtc	accaagggtt	tggaaaaagg	ttctatttga	60
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	tttcagccat	caaccagctg	caaaaaaaga	tgggcttcc	tttccatcat	attcttccaa	180
	gcctacataa	tactcggctc	gctccccaac	ccacatccct	caggatgcag	ccagagcaac	240
	agccccactc	cactctgaaa	ccagtcaccc	tagggatgat	gatcatttct	tagcttccct	300
	gttggagggtc	ggttgggggt	ggctgatcgc	tgcttggttc	acctctgcac	tggtctggcg	360
	ttggctgcac	ggtaaaagctg	ttccctgtct	catcctgttg	ggataaacag	agtatccctg	420
	gcatttttct	tccagagcag	tggcagacac	aaagggctca	cgaaaaacct	caaggttttg	480
	tactgctcac	tcttgcaact	agcacattgt	catcttcagcc	tcattgtatt	gaccaaaaga	540
	agtcacttga	ccaaattcaa	agccacaaaa	ctcgtgccga	attcgatata	aagcttatcg	600
	ataccgtcga	cctcga					616

<210> 63

<211> 811
 <212> DNA
 <213> Homo sapiens

<400> 63
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 aagtgtatgtc agggctagtg ggtggcggta gcagggtcag taaagtcagg ttcagatgct 180
 tcaatgggtga ctcccttctc gtgttagtcc tacagcatca ttccagactt tgttcttggt 240
 gcttagctcc aagcctcttc ctctgtctgt cctgtccagg tgtgtccact atgatggagc 300
 aagaccctgt catctatgat gatgatgacg acttgccctaa ttatttttct gtttaagcta 360
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 gaagtgggat gctacaagta acaacactaa aagtagaatt gactaagtgc agcaggcagg 480
 cctttgagca aggagggggc acacattaca ggctggaag ctgggtgactc ttgtaatgca 540
 gtggcaaaat ttgtcttcaa ctactatata caataactga agatgcacac tgcaagctga 600
 gtgaggctgt gataagaggg gaaatagtgg ggagcattca gaatgttggt ttacattgat 660
 gacttcttgc tctttcagca gtcttgatag agcagctata cccacaccag agtcctccag 720
 ctgacaagag aggttaaggag agaaactgct ttgccaggag gggccctctg ctgcagctgg 780
 aggtccaagt tgaccgagag cccaaaatttt g 811

<210> 64
 <211> 993
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (370)
 <223> n equals a,t,g, or c

<400> 64
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 ctaccctatgc agcattcaga tgtttctccta tttctgtgct gctggaaagc catgggatcc 120
 aaaaagtctc catcacattt ttccccagag gtagggggga ttatccccag ttttgggatg 180
 ttgaatgtca cctctttaag gagcctcaca tgaacacacac gttgagattc caactctctg 240
 gacaagcatc cgaagcagaa aatgagcctg aaaacgcagc cctttccacg gattccctca 300
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 ggttctctgcc gactagtgtg gggggaatcac ggacacttaa agtcaactctg cgaataaatt 480
 ctttttattac acactcactg aagtttttga gtcccagaga gccattctat gtcaaacatt 540
 ccaagtactc tttgagagcc cagcatttaac atcaacatgc ccgtgcaggt caaacccaag 600
 tccccgagcc aaatttgaag ctttgcctgt cattcaaacg gatgaaggca agagtattgc 660
 tattcgacta attgggtgaag ctcttggaat aaatttaacta gaatacattt ttgtgtaaaag 720
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 gaagactcga ctgaaatatt atgtatctag ccatagtat gtactttaac ttttacaggt 900
 gagaagagag ttctgtgttt gcattgatta tgatatcttg aataaatatg gaatatattt 960
 taaaaaaaaa aaaaaaaaaa aaaaaaaaaa att 993

<210> 65
 <211> 689
 <212> DNA
 <213> Homo sapiens

<400> 65
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tggttttttg	gggccatggc	aagtgcaggc	ttgtcagagg	aattggagaa	gcagggatta	180
gttaggaaaa	cctctccact	tcttgtgttt	catgccaggc	agtgtttgta	acttcagaa	240
ccgcctttac	cttacctacc	taccatgtta	tgctcatttc	acctactgtc	ccctgctgta	300
tagggagtgc	cttgaggcca	gagatcatgt	tagttttgtt	ccctcttctg	tacagagggt	360
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ggatctcctt	gttgacctct	agccaagaca	aggaacctcc	ttatggatgc	tcactcttctg	480
agctctcttc	atggagggaa	taccacgggtg	atgattgaa	atgaaaagt	ttggcacagt	540
ggctcacacc	tgtaatccca	acactttggg	tgcccgagg	gggaggattg	cttgaagcca	600
ggcattgaga	ccatctcttg	ccaccaaacg	agaccccatc	tctacaaaaa	aagaaaaaca	660
aaaccaaaaa	aaaaaaaaaa	aaactcgta				689

<210> 66
 <211> 942
 <212> DNA
 <213> Homo sapiens

<400> 66						
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aaatacacag	ttacacagtg	ttatcttttg	aaggcaggat	tataagtgat	cttagtttct	660
ttctctccac	ttttgttacc	gatatacaga	aaaaactctg	tctctacgaa	aataaaaataa	720
aatgaataaa	aataaaaata	gctgggtgca	gtggctcatg	cctgttgcc	cagctctcca	780
ggaggctgag	gcggggagaa	cacttgggcc	cggcaggctg	aggctgcagt	gagctaggat	840
cgtgccactg	cactctagcc	tggtgtggcg	caagacctgt	tctcaaaaaa	aaaaaaaaaa	900
aaaggaattc	gatatacagg	ttatcgatac	cgtcgacctc	ga		942

<210> 67
 <211> 2309
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (652)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (677)
 <223> n equals a,t,g, or c

<400> 67

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aagcccgcttc	cactgaactg	cccttctcca	gtgcctcttc	tgtatttgga	tgatgatgga	180
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gcattggcctt	ggagagagac	tctgggctct	tggtccagat	gtgttcacaa	aaactcctt	2160
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<210> 68

<211> 814

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (421)

<223> n equals a,t,g, or c

<400> 68

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gtgcctcactg	ccacagggtg	atatttcagg	ggaaattatta	ttattttttaa	aatctcttata	360

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aacgaagaga	tgcgggatccc	tggaggactg	gccccacgtg	gaacaaaaca	ggaagcatcc	780
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<210> 69
 <211> 788
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (370)
 <223> n equals a,t,g, or c

<400> 69							
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aaactcga							788

<210> 70
 <211> 791
 <212> DNA
 <213> Homo sapiens

<400> 70							
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cagggtttcaa	accaagatcc	tttttaactgc	agcacctgtg	ccttatctgg	tagcgtcatc		600
ttgttccata	catttaaaaa	agagttatct	atgtgcctgg	tgccctggct	catgcctgta		660
atccccagac	tttgggaggg	cgaggagggc	ggatcacagg	gtcaggaggt	tgagactgac		720
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<210> 71
 <211> 804
 <212> DNA
 <213> Homo sapiens

<400> 71
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 caaaaaaaaa aaaaaaaaaa tcga 804

<210> 72
 <211> 783
 <212> DNA
 <213> Homo sapiens

<400> 72
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 ctctctctgc tctctgattt ggagtcagtg tgaaggaaac acagtggtgt ctgggttcag 180
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<210> 73
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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (8)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (15)

<223> n equals a,t,g, or c

<400> 73

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<210> 74

<211> 758

<212> DNA

<213> Homo sapiens

<400> 74

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<210> 75

<211> 1096
 <212> DNA
 <213> Homo sapiens

<400> 75
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 aaaaaaaaaa gcgccc 1096

<210> 76
 <211> 1230
 <212> DNA
 <213> Homo sapiens

<400> 76
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 aaaaaaaaaa aaaaaaaaaa ggggaggggc 1230

<210> 77
 <211> 911
 <212> DNA

<213> Homo sapiens

<400> 77

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<210> 78

<211> 488

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> SITE

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (484)

<223> n equals a,t,g, or c

<400> 78

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gccgtaccsc	ttgcgcacaa	gaacraaaga	aatttgcgcg	actgaaataa	atttacttgc	420
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<210> 79

<211> 753

<212> DNA

<213> Homo sapiens

<220>
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 <222> (745)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (752)
 <223> n equals a,t,g, or c

<400> 79
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<210> 80
 <211> 2138
 <212> DNA
 <213> Homo sapiens

<400> 80
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<210> 81

<211> 1327

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1205)

<223> n equals a,t,g, or c

<400> 81

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<210> 82
<211> 758
<212> DNA
<213> Homo sapiens

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tggtgaaacc ctgtgtctac caaaaaatac agaaagtcag ccaggcatgg tggtgcctgc 600
ctgtgtgtccc agctactcag aggctgaggt gggagaaatc cttgagcccg ggagacagaa 660
gttgaagtga gccaaagtgg cgccactgca ctctagcatg ggctacagag tgagagcctc 720
tctcaaaaaa aaaaaaaaaa aaaaaaaaaa aactcgtg

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<210> 83
<211> 47
<212> PRT
<213> Homo sapiens

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<400> 83
Met Gly Ser Cys Ala Ala Phe Leu Leu Ala Ala Leu Ser Leu Leu Gly
1 5 10 15
Val Leu Gly Gly Tyr Pro Gly Arg Arg Ala Phe Ile Leu Pro Asn Arg
20 25 30
Arg Ser Leu Arg Gln Trp Leu Glu Val Ser Leu Gly Pro Val Ser
35 40 45

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<210> 84
<211> 37
<212> PRT
<213> Homo sapiens

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<400> 84
Met Asn Glu Ala Pro Pro Leu Ser Ser Ser Ile Cys Phe Ile Leu
1 5 10 15
Phe Tyr Phe Phe Pro Leu Leu Pro Pro Leu Ser Ser Thr Cys Phe Ser

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20

25

30

Lys Gly Asn Arg His
35

<210> 85
<211> 52
<212> PRT
<213> Homo sapiens

<400> 85
Met Cys Gln Asn Arg Glu Ser Val Leu Val Leu Ile Glu Ser Asn
1 5 10 15

Met Phe Ser Phe Tyr Leu Leu Phe Ser Phe Tyr Ile Val Phe Ser Phe
20 25 30

Phe Ile Val Leu Arg Pro Leu Pro Arg Asn Glu Ser Ile Lys Lys Ile
35 40 45

Gly Val Ile Phe
50

<210> 86
<211> 25
<212> PRT
<213> Homo sapiens

<400> 86
Met Thr Val Leu Ala Lys Arg Leu Val Leu Phe Leu Gly His Ile Phe
1 5 10 15

Leu Leu Leu Cys Val Arg Ile Leu Asp
20 25

<210> 87
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 87
Met Ala Ala Arg Ser Ala Leu Ala Leu Leu Leu Leu Pro Val Leu
1 5 10 15

Leu Leu Pro Val Gln Ser Arg Ser Glu Pro Glu Thr Thr Ala Pro Thr
20 25 30

Pro Thr Pro Ile Pro Gly Gly Asn Ser Ser Xaa Ser Arg Pro Leu Pro
35 40 45

Ser Ile Glu Leu His Ala Cys Gly Pro Tyr Pro Lys Pro Gly Leu Leu
50 55 60

Ile Leu Leu Ala Pro Leu Ala Leu Trp Pro Ile Leu Leu
65 70 75

<210> 88
<211> 37
<212> PRT
<213> Homo sapiens

<400> 88
Met Cys Tyr Ile Pro Gly Ser Thr Gly Gly Gln Cys Trp Pro Trp Cys
1 5 10 15

Trp Cys Trp Leu Cys Arg Glu Ala Leu Glu Trp Leu Cys Gly Ala Val
20 25 30

Ser Ala Gly Pro Ala
35

<210> 89
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 89
Met Leu Leu Arg Ile Ile His Leu Val Ile Phe Phe Ile Asn Phe Ser
1 5 10 15

Thr Ser Val Val Ile Val His Tyr Asn Val Leu Asn Tyr Arg Cys Leu
20 25 30

Leu Lys Cys Arg Cys Arg Val Xaa Lys Tyr Ser
35 40

<210> 90
<211> 59
<212> PRT
<213> Homo sapiens

<400> 90
Met Gln Asn Cys Leu Gly Ser Leu Ile Pro Gly Val Leu Phe Ser Leu
1 5 10 15

Leu Leu Leu Pro Ser Met Phe Asn Ile Ile Leu Thr Gln Ser Lys Tyr
20 25 30

Gly Glu Asn Ser Tyr Pro Ala Cys Phe Tyr Ser Ser Ser Asn Phe Pro
35 40 45

Val Ser Ala Ile Thr Phe Leu Val Gly Val Val
50 55

<210> 91
<211> 54
<212> PRT
<213> Homo sapiens

<400> 91
Met Val Val Ile Val Leu Thr Ser Asn Val Cys Ile Cys Gly Tyr Val
1 5 10 15

Val His Ser Ala Leu Ile Pro Arg Arg Gln Gly Leu Phe Leu Phe Leu
20 25 30

Phe Leu Val Met Phe Tyr Phe Ser Ile Ala Phe Asn Arg Ile Thr Lys
35 40 45

Gly Thr Leu Ser Ser Gln
50

<210> 92
<211> 50
<212> PRT
<213> Homo sapiens

<400> 92
Met Val Ala Gln Leu Val Gly Cys Val Val Ser Cys Leu Phe Val Leu
1 5 10 15

Leu Arg Phe Leu Ile Ser Thr Phe Gly Ile Met Ser Phe Asn Gly Phe
20 25 30

Val Ile Phe Val Thr Val Leu Ala Ala Tyr Asn Phe Ser Ala Gly Ala
35 40 45

Phe Thr
50

<210> 93
<211> 155
<212> PRT
<213> Homo sapiens

<400> 93
Met Trp Pro Gln Glu Ala Trp Val Cys Ile Leu Val Leu Leu Gly Thr
1 5 10 15

Arg Val Gly Leu Cys Val Gly Asp Ser Leu Ala Pro Gln Ala Ser Leu
20 25 30

Ser Tyr Cys Tyr Ile Leu Lys Val Pro Leu Arg Pro Lys Pro Leu Trp
35 40 45

Gln Leu Ser Asn Glu Ser Ile Cys Ser Glu Tyr Arg Val Glu Gly Gly
50 55 60

Gln Gly His Gln Glu Leu Arg Met Phe Leu Arg Leu Met Arg Pro Arg
65 70 75 80

Tyr Trp Val His Gly Gly Pro Arg Ser Leu Cys Asp Ser Cys Ser Leu
85 90 95

Leu Pro Pro Cys Leu Asp Pro Ala Ser Ala Gln Lys Ala Asn Ser Leu
100 105 110

Asp Ser Lys Gly Leu Pro Arg Pro Ile Ser Met Ser Cys Ser Cys Gln
115 120 125

Leu Pro Val Pro Ser Leu Asp Leu Ser Ser Cys Leu Ala Pro Ser Leu
130 135 140

Pro Thr Pro His Ile Phe Thr Asn Lys Arg Lys
145 150 155

<210> 94

<211> 60

<212> PRT

<213> Homo sapiens

<400> 94

Met Ser His His Ala Arg Pro Tyr Lys Ala Phe Arg Ile Val Ser Cys
1 5 10 15

Tyr Phe Tyr Leu Phe Ile Ile Val Val Val Ile Ile Leu Leu Tyr
20 25 30

Pro Ile Ser Gln Gly Trp His Val Ala Asn Ile Val Phe Leu Lys Asn
35 40 45

Ile Ser Asp His Ile Leu Val Leu Leu Lys Thr Phe
50 55 60

<210> 95

<211> 70

<212> PRT

<213> Homo sapiens

<400> 95

Met Trp Phe Glu Ile Leu Pro Gly Leu Ser Val Met Gly Val Cys Leu
1 5 10 15

Leu Ile Pro Gly Leu Ala Thr Ala Tyr Ile His Arg Phe Thr Asn Gly
20 25 30

Gly Lys Glu Lys Arg Val Ala His Phe Gly Tyr His Trp Ser Leu Met
35 40 45

Glu Arg Asp Arg Arg Ile Ser Gly Val Asp Arg Tyr Tyr Val Ser Lys
50 55 60

Gly Leu Glu Asn Ile Asp
65 70

<210> 96
<211> 36
<212> PRT
<213> Homo sapiens

<400> 96
Met Val Phe Leu Leu Leu Leu Phe Gly Phe Phe Phe Asp Gly Ser
1 5 10 15

Leu Arg Ser Pro Leu Leu Leu Ile Ile His Leu Gly Pro Ala Pro Thr
20 25 30

Phe Leu Gln Ile
35

<210> 97
<211> 59
<212> PRT
<213> Homo sapiens

<400> 97
Met Leu Cys Gln Thr Ile Pro Leu Cys Asn Arg Leu His Ile Val Phe
1 5 10 15

Met Ile Leu Ile Lys Leu Tyr Val Glu Thr Glu Cys Glu Val Lys Ser
20 25 30

Glu His Lys Lys Ile Met His Asp Glu Ile Ala Tyr His Phe Ile Gly
35 40 45

Tyr Leu Leu Cys Ile Tyr Thr Leu Arg Pro Leu
50 55

<210> 98
<211> 43
<212> PRT
<213> Homo sapiens

<400> 98
Met Ser Val Ser Ser Asn Leu Trp Gln Thr Leu Ile Leu Leu Leu Ser
1 5 10 15

Leu Trp Phe Cys Leu Phe Pro Glu Cys His Ile Val Gly Ile Ile Gln
20 25 30

Leu Cys Arg Leu Phe Arg Leu Pro Ser Phe Thr
35 40

<210> 99
<211> 31

<212> PRT
 <213> Homo sapiens

<400> 99
 Met Cys Cys Arg Ala Gly Gly Ser Gln Ser Pro Gln Val Met Val Val
 1 5 10 15
 Leu Ile Ile Ile Leu Gly Pro Trp Gly Gly Val Arg Ile Asp Ala
 20 25 30

<210> 100
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 100
 Met Tyr Ser Cys Leu Leu Pro Asp Leu Leu Tyr Leu Thr Leu Ser
 1 5 10 15
 Pro Leu Val Val Ala Met Leu Leu Thr Pro His Phe Asn Val Ala Asn
 20 25 30
 Pro Gln Asn Leu Leu Ala Gly Leu Trp Leu Glu Asn Glu His Ser Phe
 35 40 45
 Thr Leu Met Ala Pro Glu Arg Ala Arg Thr His His Cys Gln Pro Glu
 50 55 60
 Glu Arg Lys Val Leu Phe Cys Leu Phe Pro Ile Val Pro Asn Ser Gln
 65 70 75 80
 Ala Gln Val Gln Pro Pro Gln Met Pro Pro Phe Cys Cys Ala Ala Ala
 85 90 95
 Lys Glu Lys Thr Gln Glu Glu Gln Leu Gln Glu Pro Leu Gly Ser Gln
 100 105 110
 Cys Pro Asp Thr Cys Pro Asn Ser Leu Cys Pro Ser His Thr Gln Leu
 115 120 125
 Thr Lys Ala Asn Thr Leu Ser Leu Phe Phe Phe Phe Ser Phe Phe Leu
 130 135 140
 Ser Arg Val Ser Leu Leu Ser Pro Arg Leu Glu Cys Asn Gly Arg Ile
 145 150 155 160
 Leu Ala His Cys Asn Leu His Leu Pro Gly Ser Ser Asn Ser Pro Val
 165 170 175
 Ser Ala Ser Arg
 180

<210> 101

<211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (195)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 101
 Met Arg Leu Phe Leu Trp Asn Ala Val Leu Thr Leu Phe Val Thr Ser
 1 5 10 15
 Leu Ile Gly Ala Leu Ile Pro Glu Pro Glu Val Lys Ile Glu Val Leu
 20 25 30
 Gln Lys Pro Phe Ile Cys His Arg Lys Thr Lys Gly Xaa Asp Leu Met
 35 40 45
 Leu Val His Tyr Glu Gly Tyr Leu Glu Lys Asp Gly Ser Leu Phe His
 50 55 60
 Ser Thr His Lys His Asn Asn Gly Gln Pro Ile Trp Phe Thr Leu Gly
 65 70 75 80
 Ile Leu Glu Ala Leu Lys Gly Trp Asp Gln Gly Leu Lys Gly Met Cys
 85 90 95
 Val Gly Glu Lys Arg Lys Leu Ile Ile Pro Pro Ala Leu Gly Tyr Gly
 100 105 110
 Lys Glu Gly Lys Gly Lys Ile Pro Pro Glu Ser Thr Leu Ile Phe Asn
 115 120 125
 Ile Asp Leu Leu Glu Ile Arg Asn Gly Pro Arg Ser His Glu Ser Phe
 130 135 140
 Gln Glu Met Asp Leu Asn Asp Asp Trp Lys Leu Ser Lys Asp Glu Val
 145 150 155 160
 Lys Ala Tyr Leu Lys Lys Glu Phe Glu Lys His Gly Ala Val Val Asn
 165 170 175
 Glu Ser His His Asp Ala Leu Val Glu Asp Ile Phe Asp Lys Glu Asp
 180 185 190
 Glu Asp Xaa Tyr Gly Phe Ile Ser Ala Arg Glu Phe Thr Tyr Lys His
 195 200 205
 Asp Glu Leu
 210

<210> 102
 <211> 621
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 102
 Met Gly Leu Leu Ser Asp Pro Val Arg Arg Arg Ala Leu Ala Arg Leu
 1 5 10 15
 Val Leu Arg Leu Asn Ala Pro Leu Cys Val Leu Ser Tyr Val Ala Gly
 20 25 30
 Ile Ala Trp Phe Leu Ala Leu Val Phe Pro Pro Leu Thr Gln Arg Thr
 35 40 45
 Tyr Met Ser Glu Asn Ala Met Gly Ser Thr Met Val Glu Glu Gln Phe
 50 55 60
 Ala Gly Gly Asp Arg Ala Arg Ala Phe Ala Arg Asp Phe Ala Ala His
 65 70 75 80
 Arg Lys Lys Ser Gly Ala Leu Pro Val Ala Trp Leu Glu Arg Thr Met
 85 90 95
 Arg Ser Val Gly Leu Glu Val Tyr Thr Gln Ser Phe Ser Arg Lys Leu
 100 105 110
 Pro Phe Pro Asp Glu Thr His Glu Arg Tyr Met Val Ser Gly Thr Asn
 115 120 125
 Val Tyr Gly Ile Leu Arg Ala Pro Xaa Ala Ala Ser Thr Glu Ser Leu
 130 135 140
 Val Leu Thr Val Pro Cys Gly Ser Asp Ser Thr Asn Ser Gln Ala Val
 145 150 155 160
 Gly Leu Leu Leu Ala Leu Ala Ala His Phe Arg Gly Gln Ile Tyr Trp
 165 170 175
 Ala Lys Asp Ile Val Phe Leu Val Thr Glu His Asp Leu Leu Gly Thr
 180 185 190
 Glu Ala Trp Leu Glu Ala Tyr His Asp Val Asn Val Thr Gly Met Gln
 195 200 205
 Ser Ser Pro Leu Gln Gly Arg Ala Gly Ala Ile Gln Ala Ala Val Ala
 210 215 220
 Leu Glu Leu Ser Ser Asp Val Val Thr Ser Leu Asp Val Ala Val Glu
 225 230 235 240
 Gly Leu Asn Gly Gln Leu Pro Asn Leu Asp Leu Leu Asn Leu Phe Gln
 245 250 255

Thr Phe Cys Gln Lys Gly Gly Leu Leu Cys Thr Leu Gln Gly Lys Leu
 260 265 270
 Gln Pro Glu Asp Trp Thr Ser Leu Asp Gly Pro Leu Gln Gly Leu Gln
 275 280 285
 Thr Leu Leu Leu Met Val Leu Arg Gln Ala Ser Gly Arg Pro His Gly
 290 295 300
 Ser His Gly Leu Phe Leu Arg Tyr Arg Val Glu Ala Leu Thr Leu Arg
 305 310 315 320
 Gly Ile Asn Ser Phe Arg Gln Tyr Lys Tyr Asp Leu Val Ala Val Gly
 325 330 335
 Lys Ala Leu Glu Gly Met Phe Arg Lys Leu Asn His Leu Leu Glu Arg
 340 345 350
 Leu His Gln Ser Phe Phe Leu Tyr Leu Leu Pro Gly Leu Ser Arg Phe
 355 360 365
 Val Ser Ile Gly Leu Tyr Met Pro Ala Val Gly Phe Leu Leu Leu Val
 370 375 380
 Leu Gly Leu Lys Ala Leu Glu Leu Trp Met Gln Leu His Glu Ala Gly
 385 390 395 400
 Met Gly Leu Glu Glu Pro Gly Gly Ala Pro Gly Pro Ser Val Pro Leu
 405 410 415
 Pro Pro Ser Gln Gly Val Gly Leu Ala Ser Leu Val Ala Pro Leu Leu
 420 425 430
 Ile Ser Gln Ala Met Gly Leu Ala Leu Tyr Val Leu Pro Val Leu Gly
 435 440 445
 Gln His Val Ala Thr Gln His Phe Pro Val Ala Glu Ala Glu Ala Val
 450 455 460
 Val Leu Thr Leu Leu Ala Ile Tyr Ala Ala Gly Leu Ala Leu Pro His
 465 470 475 480
 Asn Thr His Arg Val Val Ser Thr Gln Ala Pro Asp Arg Gly Trp Met
 485 490 495
 Ala Leu Lys Leu Val Ala Leu Ile Tyr Leu Ala Leu Gln Leu Gly Cys
 500 505 510
 Ile Ala Leu Thr Asn Phe Ser Leu Gly Phe Leu Leu Ala Thr Thr Met
 515 520 525
 Val Pro Thr Ala Ala Leu Ala Lys Pro His Gly Pro Arg Thr Leu Tyr
 530 535 540
 Ala Ala Leu Leu Val Leu Thr Ser Pro Ala Ala Thr Leu Leu Gly Ser
 545 550 555 560

Leu Phe Leu Trp Arg Glu Leu Gln Glu Ala Pro Leu Ser Leu Ala Glu
 565 570 575

Gly Trp Gln Leu Phe Leu Ala Ala Leu Ala Gln Gly Val Leu Glu His
 580 585 590

His Thr Tyr Gly Ala Leu Leu Phe Pro Leu Leu Ser Leu Gly Leu Tyr
 595 600 605

Pro Cys Trp Leu Leu Phe Trp Asn Val Leu Phe Trp Lys
 610 615 620

<210> 103

<211> 287

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 103

Met Ala Leu Leu Pro Ile Phe Phe Gly Ala Leu Arg Ser Val Arg Cys
 1 5 10 15

Ala Arg Gly Lys Asn Ala Ser Asp Met Pro Glu Thr Ile Thr Ser Arg
 20 25 30

Asp Ala Ala Arg Phe Pro Ile Ile Ala Ser Cys Thr Leu Leu Gly Leu
 35 40 45

Tyr Leu Phe Phe Lys Ile Phe Ser Gln Glu Tyr Ile Asn Leu Leu Leu
 50 55 60

Ser Met Tyr Phe Phe Val Leu Gly Ile Leu Ala Leu Ser His Thr Ile
 65 70 75 80

Ser Pro Phe Met Asn Lys Phe Phe Pro Ala Ser Phe Pro Asn Arg Gln
 85 90 95

Tyr Gln Leu Leu Phe Thr Gln Gly Ser Gly Glu Asn Lys Glu Glu Ile
 100 105 110

Ile Asn Tyr Glu Phe Asp Thr Lys Asp Leu Val Cys Leu Gly Leu Ser
 115 120 125

Ser Ile Val Gly Val Trp Tyr Leu Leu Arg Lys His Trp Ile Ala Asn
 130 135 140

Asn Leu Phe Gly Leu Ala Phe Ser Leu Asn Gly Val Glu Leu Leu His
 145 150 155 160

Leu Asn Asn Val Ser Thr Gly Cys Ile Leu Leu Gly Gly Leu Phe Ile
 165 170 175

Tyr Asp Val Phe Trp Val Phe Gly Thr Asn Val Met Val Thr Val Ala

180 185 190
 Lys Ser Phe Glu Ala Pro Ile Lys Leu Val Phe Pro Gln Asp Leu Leu
 195 200 205
 Glu Lys Gly Leu Glu Ala Asn Asn Phe Ala Met Leu Gly Leu Gly Asp
 210 215 220
 Val Val Ile Pro Gly Ile Phe Ile Ala Leu Leu Leu Arg Phe Asp Ile
 225 230 235 240
 Ser Leu Lys Lys Asn Thr His Thr Tyr Phe Tyr Thr Ser Phe Ala Ala
 245 250 255
 Tyr Ile Phe Gly Leu Gly Xaa Tyr His Leu His His Ala His Leu Gln
 260 265
 Ala Cys Ser Val Met Arg Ser Gln Ile Leu Arg Ile Gln Arg Gln
 275 280 285

 <210> 104
 <211> 31
 <212> PRT
 <213> Homo sapiens

 <400> 104
 Met Ser Arg Leu Leu Leu Leu Phe Gly Arg Leu Cys Ser Leu Trp Cys
 1 5 10 15
 Leu Ser Trp Leu Tyr Ser Thr Asp Thr Arg Pro Leu Leu Arg Gly
 20 25 30

 <210> 105
 <211> 77
 <212> PRT
 <213> Homo sapiens

 <400> 105
 Met Leu Pro Arg Leu Val Leu Asn Ser Trp Ala Cys Pro Pro Gln Pro
 1 5 10 15
 Pro Lys Val Leu Glu Leu Gln Ala Cys Ala Thr Ile Ser Ser Leu Ile
 20 25 30
 Thr Leu Phe Leu Met Phe Ile Lys Ser Ser His Pro Leu Ser Leu Ala
 35 40 45
 Glu Ala Ser Gln Glu Gly Gln Asn Gln Leu Gln Ser Thr Ile Ser Asp
 50 55 60
 Pro Glu Thr Trp Ile Leu Phe Val His Leu Asn Val Thr
 65 70 75

<210> 106
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 106
 Met Val Phe Leu Val Phe Tyr Val Leu Arg Ala Leu Lys Cys Asn Ser
 1 5 10 15
 Ser Tyr His Ser Cys Thr Asn Val Leu Thr Gln Ile Ala Ser Gln Ile
 20 25 30
 Asp Lys Thr Leu Asn Asn Phe Ser Leu Lys Lys Cys
 35 40

<210> 107
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 107
 Met Asn Pro Cys Leu Ser Ile Ile Phe Leu Leu Thr Pro Val Leu Leu
 1 5 10 15
 Ser His Pro Leu Gln Ser Leu His Phe Leu Leu Lys Val Asp Leu Asp
 20 25 30
 Phe Ser Leu Ser Cys Ser Ile Cys Thr
 35 40

<210> 108
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 108
 Met Thr Val Tyr Leu Leu Lys Thr His Pro Cys Phe Phe Val Ala Tyr
 1 5 10 15
 Gln Met Gln Val Ala Leu Ile Ile Leu Leu Pro Gly Leu Arg Asn Ser
 20 25 30
 Lys Thr Val Thr Met Pro Leu Ser Pro Ala Leu Leu Pro Thr Leu Leu
 35 40 45
 Phe Phe Pro Ser Pro Thr Pro Phe Phe His Pro Phe Leu Ser Val Leu
 50 55 60
 Cys Cys Phe Lys Tyr
 65

<210> 109
 <211> 48
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 109

Met His Ala Thr Cys Thr Arg Thr Trp Arg Ala Gln Val Ser Leu His
1 5 10 15

Gln Pro Pro Cys Ser Arg Asp Trp Lys Ile Cys His Leu Leu Val Val
20 25 30

Leu Ser Leu Pro Pro Pro Thr Pro Ala Arg Xaa Pro Glu Phe Leu Asn
35 40 45

<210> 110

<211> 192

<212> PRT

<213> Homo sapiens

<400> 110

Met Ile Arg Asn Asp Gln Asp Ser Leu Met Gln Leu Leu Gln Leu Gly
1 5 10 15

Leu Val Val Leu Gly Ser Gln Glu Ser Gln Glu Ser Asp Leu Ser Lys
20 25 30

Gln Leu Ile Ser Val Ile Ile Gly Leu Gly Val Ala Leu Leu Val
35 40 45

Leu Val Ile Met Thr Met Ala Phe Val Cys Val Arg Lys Ser Tyr Asn
50 55 60

Arg Lys Leu Gln Ala Met Lys Ala Ala Lys Glu Ala Arg Lys Thr Ala
65 70 75 80

Ala Gly Val Met Pro Ser Ala Pro Ala Ile Pro Gly Thr Asn Met Tyr
85 90 95

Asn Thr Glu Arg Ala Asn Pro Met Leu Asn Leu Pro Asn Lys Asp Leu
100 105 110

Gly Leu Glu Tyr Leu Ser Pro Ser Asn Asp Leu Asp Ser Val Ser Val
115 120 125

Asn Ser Leu Asp Asp Asn Ser Val Asp Val Asp Lys Asn Ser Gln Glu
130 135 140

Ile Lys Glu His Arg Pro Pro His Thr Pro Pro Glu Pro Asp Pro Glu
145 150 155 160

Pro Leu Ser Val Val Leu Leu Gly Arg Gln Ala Gly Ala Ser Gly Gln
165 170 175

Leu Glu Gly Pro Ser Tyr Thr Asn Ala Gly Leu Asp Thr Thr Asp Leu
 180 185 190

<210> 111
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 111
 Met Ala His Val Val Val Ala Arg Asn Glu Cys Leu Ile Arg Ala Phe
 1 5 10 15

Leu Phe Leu Leu His Cys Val Ser Leu Leu Pro Ser Pro Gly Glu Val
 20 25 30

Asn Ile Arg His Thr Leu Phe Thr Val Glu Glu Arg Leu Thr Thr Pro
 35 40 45

Arg Ala Leu Lys Leu Ser Leu Ser Leu Ile Val Ser Leu His Ala Xaa
 50 55 60

Cys Arg Lys Gln Glu Cys Ser
 65 70

<210> 112
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 112
 Met Arg Leu Thr Glu Lys Asp Thr Val Leu Phe Thr Lys Gly Val Leu
 1 5 10 15

Phe Leu His Leu Phe Ile Asn Ala Leu Phe Trp Tyr Cys Lys Phe Gly
 20 25 30

His Asn Phe
 35

<210> 113
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 113
 Met Thr Ser Val Ser Thr Gln Leu Ser Leu Val Leu Met Ser Leu Leu
 1 5 10 15

Leu Val Leu Pro Val Val Glu Ala Val Glu Ala Gly Asp Ala Ile Ala

20 25 30
 Leu Leu Leu Gly Val Val Leu Ser Ile Thr Gly Ile Cys Ala Cys Leu
 35 40 45

Gly Val Tyr Ala Arg Lys Arg Asn Gly Gln Met
 50 55

<210> 114
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 114
 Met Asn Ser Phe Trp Ser Lys Leu Leu Val Leu Pro Leu Leu Ala Pro
 1 5 10 15

Leu Ser Met Ala Arg Ala Ser Ala Cys Gln Arg Trp
 20 25

<210> 115
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 115
 Met Met Arg Leu Leu Asp Leu Arg Ile Phe Leu Met Ile His His Lys
 1 5 10 15

Ala Lys Ser Trp Glu Ser His Thr
 20

<210> 116
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 116
 Met Pro Leu Ser Leu Leu Leu Ile Val Trp Lys Leu Glu Leu Cys Val
 1 5 10 15

Gly Ser Ala Leu Val Leu Ile His Thr Gln Arg Arg Tyr Ile Ile Leu
 20 25 30

Gln Val

<210> 117
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 117
 Met Leu Leu Ala Thr Leu Leu Leu Leu Leu Gly Gly Ala Leu Ala

1 5 10 15

His Pro Asp Arg Ile Ile Phe Pro Asn His Ala Cys Glu Asp Pro Pro
 20 25 30

Ala Val Leu Leu Glu Val Gln Gly Thr Leu Gln Arg Pro Leu Val Arg
 35 40 45

Asp Ser Arg Thr Ser Pro Ala Asn Cys Thr Trp Leu Thr Lys Arg Val
 50 55 60

Gln Gln Met Leu Leu Phe His Ser Tyr Gly Ile Ala Gln
65 70 75

<210> 118
<211> 43
<212> PRT
<213> Homo sapiens

<400> 118
Met Thr Gly Val Phe Lys Leu Pro Leu Leu Phe Trp Val His Glu Ala
1 5 10 15

Ser Val Gly Gly Cys Pro Tyr Val Lys Leu Val Glu Phe Glu Glu Met
 20 25 30

Leu Thr Leu Tyr Gly Ile Leu Leu Ile Leu Phe
 35 40

<210> 119
<211> 45
<212> PRT
<213> Homo sapiens

<400> 119
Met Gln Leu Ala Pro Phe Ile Ser Ile Pro Val Leu Ser Gly Thr Thr
1 5 10 15

Pro Trp Thr Ala Val Phe Arg Ala Ser Ser Ile Cys Thr Pro Leu Leu
 20 25 30

Thr Leu Ser Ala Ala Gly Met Leu Val Glu Ser Ser Leu
 35 40 45

<210> 120
<211> 28
<212> PRT
<213> Homo sapiens

<400> 120
Met Pro Pro Leu Ser Asp Ile Leu Leu Thr Val Ala Val Ala Phe
1 5 10 15

Glu Met Thr Gly His Ile Tyr Ile Trp Pro His Thr
 20 25

<210> 121
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 121
 Met Glu Leu Pro Cys Asp Cys Ser Lys Leu Leu Tyr Cys Lys Phe Ser
 1 5 10 15
 Val Trp His Leu Pro Val Asn Ala Met Lys Leu Leu Ile Ile Phe Leu
 20 25 30
 Lys Val Leu His Cys Leu Phe Phe Leu Leu Leu Cys Lys Phe Leu Tyr
 35 40 45
 Thr Leu Ile Val Ile Leu Thr Asp Lys Tyr Ser Ile Leu Asn
 50 55 60

<210> 122
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 122
 Met Pro Val Ser Trp Gly Cys Pro Ser Lys Thr Pro Gln Thr Arg Ala
 1 5 10 15
 Tyr Thr Arg Cys Val Tyr Phe Leu Met Val Leu Glu Ala Gly Val Gly
 20 25 30
 Gly His Ser Val Ser Arg Val Gly Ser Leu Glu Val Pro Pro Trp Leu
 35 40 45
 Val Ala Ala Asn Asn Phe Pro His Leu Met Trp Ser Ser Phe Cys Val
 50 55 60
 Gly Pro His Xaa Val Phe Leu Xaa Asp Pro Ser Leu Pro Asp Pro Gly
 65 70 75 80
 Pro Pro Asn Asn Leu Thr
 85

<210> 123
 <211> 63

<212> PRT

<213> Homo sapiens

<400> 123

Met Cys Tyr Phe Leu Glu Ile Ser Leu Leu Met Val Phe Ala Leu Asn
 1 5 10 15

Ile Lys Ala Ala Tyr Gly Cys Cys Asn Ile Asn Gly Thr Glu Val His
 20 25 30

Arg Ala Lys Gly Pro Val Ser Val Pro Phe Pro Leu Ser Arg Pro Leu
 35 40 45

Ser Gly Thr Pro Leu Leu Asp Arg Leu Arg Pro Phe Gln Thr Leu
 50 55 60

<210> 124

<211> 35

<212> PRT

<213> Homo sapiens

<400> 124

Met Pro Leu Pro Ser Ser Phe Pro Leu Pro Val Phe Leu Ser Ser Cys
 1 5 10 15

Pro Phe Leu Met Ser Val Ser Ile Gly Phe Leu Ile Leu Val Phe Asn
 20 25 30

Val His Pro
 35

<210> 125

<211> 31

<212> PRT

<213> Homo sapiens

<400> 125

Met Phe Ile Phe Cys Val Ser Leu Ala Phe Leu Pro Arg Phe Ile Ser
 1 5 10 15

Pro Gln Ser Cys Glu Trp Ala Gly Leu Ser Leu Val Trp His His
 20 25 30

<210> 126

<211> 40

<212> PRT

<213> Homo sapiens

<400> 126

Met Lys Asn Asn Thr Gln Lys Arg Leu Phe Leu Trp Gly Glu Leu Leu
 1 5 10 15

Leu Gln Asp Leu Ala Leu Ile Leu Tyr Leu Ser Ile Phe Leu Lys Ser
 20 25 30

Thr Leu Thr Asn Leu Asn Leu Phe
 35 40

<210> 127
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 127
 Met Leu Asn Val Phe Phe Ser Leu Ile Leu Phe Phe Ser Pro Asn Arg
 1 5 10 15

Ala Leu Pro Ala Ile Ser Ser Cys Ile Thr Phe
 20 25

<210> 128
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 128
 Met Arg Ala Val Gly Glu Arg Leu Leu Leu Lys Leu Gln Arg Leu Pro
 1 5 10 15

Gln Ala Glu Pro Val Glu Ile Val Ala Phe Ser Val Ile Ile Leu Phe
 20 25 30

Thr Ala Thr Val Leu Leu Leu Leu Ile Ala Cys Ser Cys Cys Cys
 35 40 45

Thr His Cys Cys Cys Pro Glu Arg Arg Gly Arg Lys Val Gln Val Gln
 50 55 60

Pro Thr Pro Pro
 65

<210> 129
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 129
 Met Asp Pro Arg Arg Val Thr Ala Cys Cys His Val Trp Thr Val Gly
 1 5 10 15

Leu Phe Cys Ile Trp Ala Val Gly Leu Ser Cys Ser Leu Ser Leu Ser
 20 25 30

His Val Ile Val Trp Leu Ser Gly Ala Gly Cys Thr Leu Ile Cys Glu
 35 40 45

Asp Asn Pro Phe Leu Leu Leu Phe Ser Gln Tyr Leu Gln Pro His His
50 55 60

Pro Glu Ile Met Lys Pro Phe Ile Leu Gly His Lys Ser Ser Asn Gly
65 70 75 80

Gly Leu Ser Pro Pro Ser Ala
85

<210> 130
<211> 63
<212> PRT
<213> Homo sapiens

<400> 130
Met Phe Tyr Met Val Cys Val Leu Gly Ser Gly Ala Gln Pro Leu Ser
1 5 10 15

Glu Leu Ala Tyr Leu Ala Lys Leu Pro Thr Leu Gln Val Gly Lys Tyr
20 25 30

Asn Pro Leu Phe Asn Lys Ala His Pro Leu His Pro Val Leu Thr Thr
35 40 45

Phe Cys Glu Cys Ala Val Ile Phe Ser Cys Ser Ile Ala Arg Trp
50 55 60

<210> 131
<211> 54
<212> PRT
<213> Homo sapiens

<400> 131
Met Arg Phe Gln Ser Tyr Leu Trp Pro Ser Arg Ile Leu Val Gly Thr
1 5 10 15

Tyr Cys Ile Ala Ala Glu Val Leu Phe Pro Ser Ala Leu Ala Ser Cys
20 25 30

Gly Pro Val Trp Gln Gly Gly Ala Pro Thr Lys Ser Trp Gln Pro Gly
35 40 45

Ala Lys Thr Ile Ile Pro
50

<210> 132
<211> 40
<212> PRT
<213> Homo sapiens

<400> 132
Met Arg Arg Trp Ala Gly Phe Gly Lys Ser Pro Gln Phe Trp Trp Thr

1 5 10 15
 Gly Ile Leu Val Ala Leu Gly Ala Ala Leu Leu Gly Gly Pro Arg Leu
 20 25 30
 Gly Arg Arg Leu Thr Phe Gly Leu
 35 40

<210> 133
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 133
 Met Ala Leu Ala Ile Phe Ile Pro Val Leu Ile Ile Ser Leu Leu Leu
 1 5 10 15
 Gly Gly Ala Tyr Ile Tyr Ile Thr Arg Cys Arg Tyr Tyr Ser Asn Leu
 20 25 30
 Arg Leu Pro Leu Met Tyr Ser His Pro Tyr Ser Gln Ile Thr Val Glu
 35 40 45
 Thr Glu Phe Asp Asn Pro Ile Tyr Glu Thr Gly Glu Thr Arg Glu Tyr
 50 55 60
 Glu Val Ser Ile
 65

<210> 134
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 134
 Met Gly Phe Leu Phe Leu His Ile Leu Pro Ser Ile Ile Asn Thr Arg
 1 5 10 15
 Ser Ala Pro Gln Pro Thr Ser Cys Arg Met Gln Pro Glu Gln Gln Pro
 20 25 30
 His Ser Thr Leu Lys Pro Val Ile Leu Gly Met Met Ile Ile Ser
 35 40 45

<210> 135
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 135
 Met Ser Gly Leu Val Gly Gly Gly Ser Arg Cys Ser Lys Val Arg Phe
 1 5 10 15

Arg Cys Phe Asn Gly Asp Ser Leu Leu Val Leu Val Leu Gln His His
 20 25 30

Phe Arg Leu Cys Ser Trp Cys Leu Ala Pro Ser Leu Phe Leu Leu Leu
 35 40 45

Ser Cys Gln Val Val Ser Thr Met Met Glu Gln Asp Pro Val Ile Tyr
 50 55 60

Asp Asp Asp Asp Asp Leu Pro Asn Tyr Phe Ser Val
 65 70 75

<210> 136

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 136

Met Phe Leu Glu Leu Pro Met Gln His Ser Asp Val Leu Leu Phe Leu
 1 5 10 15

Val Cys Trp Lys Ala Met Gly Ser Lys Lys Ser Pro Ser His Phe Xaa
 20 25 30

Pro Glu Val Gly Gly Ile Xaa Pro Ser Phe Gly Met Leu Asn Val Thr
 35 40 45

Leu Leu Arg Ser Leu Thr
 50

<210> 137

<211> 54

<212> PRT

<213> Homo sapiens

<400> 137

Met Leu Val Leu Phe Pro Leu Leu Tyr Arg Gly Trp Ser Pro Val Pro
 1 5 10 15

Gly Thr Ala Glu Gly Gly Met Cys Cys Cys Cys Leu Cys Ile Ser Arg
 20 25 30

Tyr Ser Leu Leu Thr Ser Ser Gln Asp Lys Glu Pro Pro Tyr Glu Met
 35 40 45

Ser Ser Ser Glu Leu Ser
50

<210> 138
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 138
Met Thr Cys Tyr Glu Val Ile Leu Phe Phe Ile Lys Leu Phe Ser Asp
1 5 10 15

Met Gly Lys Tyr Lys Glu Cys Lys Glu Phe Lys Lys Gln Arg Thr Lys
20 25 30

Xaa Tyr Met
35

<210> 139
<211> 80
<212> PRT
<213> Homo sapiens

<400> 139
Met Lys Ala Gln Pro Leu Glu Ala Leu Leu Val Ala Leu Val Leu
1 5 10 15

Ser Phe Cys Gly Val Trp Phe Glu Asp Trp Leu Ser Lys Trp Arg Phe
20 25 30

Gln Cys Ile Phe Gln Leu Ala His Gln Pro Ala Leu Val Asn Ile Gln
35 40 45

Phe Arg Gly Thr Val Leu Gly Ser Glu Thr Phe Leu Gly Ala Glu Glu
50 55 60

Asn Ser Ala Asp Val Arg Ser Trp Gln Thr Leu Ser Tyr Phe Glu Leu
65 70 75 80

<210> 140
<211> 67
<212> PRT
<213> Homo sapiens

<400> 140
Met Ala Ala Ser Val Gly Arg Ala Thr Arg Ser Ala Ala Ala His Leu
1 5 10 15

Thr Gln Leu Pro Pro Ala Pro Arg Ala Gln Arg Thr Ser Pro Ala Gln

20 25 30
 Pro Asp Glu Gly Lys Arg Arg Asp Ala Asp Pro Trp Arg Thr Gly Pro
 35 40 45
 Thr Val Asn Lys Thr Gly Ser Ile Pro Gly Arg Leu Arg Gly Trp Ala
 50 55 60
 Arg Ala Glu
 65

<210> 141
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 141
 Met Gly Trp Leu Cys Cys Glu Pro Ser Gly Leu Tyr Asn Leu Glu Lys
 1 5 10 15
 Gln Tyr Phe Phe Phe Ser Ser Leu Gln Ala Gly Leu Pro Val Ile Val
 20 25 30
 Ser Ser Gly Cys Thr Lys Ile Ala Tyr Gly Phe Ala Val Tyr Ser Pro
 35 40 45
 Ser Ser
 50

<210> 142
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 142
 Met Arg Arg Cys Val Arg His Val Leu Gly Ile Gly Leu Ile Val Leu
 1 5 10 15
 Lys Asn Leu Tyr Phe His Lys Asn Ser Met Tyr Pro Ser Pro Lys Leu
 20 25 30
 Ser Ser Phe Gln Glu Ala Phe Leu Phe Phe Phe Leu Ile Leu Lys Asn
 35 40 45
 Pro Leu Thr Leu Cys Ser
 50

<210> 143
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 143
 Ile His Pro Ser Arg Ser Thr Leu Ser Ser Gln Leu Val Thr Leu Pro
 1 5 10 15

Leu Asn Tyr Leu Ser Glu Phe Pro Leu Pro Glu His Glu Pro Cys Leu
35 40 45

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<210> 144
<211> 86
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 144
Met Thr Cys Cys Cys Leu Leu Cys Lys Leu Gln Gly Ile Phe Phe Phe
1 5 10 15

Ser Phe Asn Ser Ser Val Leu Lys Ser Ile Leu Gly Thr Thr Arg Thr
20 25 30

Leu Ser Ala Pro Trp Ile Gly Val Ser Val Lys Gly Thr Gln Trp Ala
35 40 45

Leu Gly Ser Ala Arg Pro Gly Cys Gly Ser Gln Leu Thr Ser Ser Leu
50 55 60

Gly Gly Leu Arg Gln Val Ile Cys Gln Pro His Leu Gln Lys His Asp
65 70 75 80

Ala Lys Leu Xaa Ser Val
85

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<210> 145
<211> 57
<212> PRT
<213> Homo sapiens
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<400> 145
Met His Lys Cys Asn Thr Val Thr Arg Glu Leu Leu Gln Leu Ser Leu
1 5 10 15

Leu Ile Leu Pro Ser Gln Cys Gly Asn Cys Ala Thr Ser Thr Lys Arg
20 25 30

Gly Pro Arg Leu Leu Lys Tyr Phe Arg Thr Ser Pro Gln Glu Gln Thr
35 40 45

Pro Leu His Leu Asp Ser Asp Cys Ser
50 55

<210> 146
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 146
 Met Ser His Cys Ala Arg Pro Leu Phe Phe Glu Thr Phe Phe Ile Leu
 1 5 10 15
 Leu Ser Pro Arg Leu Lys Cys Ser Gly Thr Asn Thr Val His Tyr Ser
 20 25 30
 Leu Asp Leu Leu Gly Ser Ser Asn Ser Ala Ser Val Pro Gln Val Gly
 35 40 45
 Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu Ile Phe Val Phe Cys
 50 55 60
 Val Cys Val Cys Glu Pro Leu Arg Arg Pro Trp Ala Ala Phe Leu Ile
 65 70 75 80
 Ser Val Thr Ser Ser Ile Lys
 85

<210> 147
 <211> 230
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 147
 Met Gly Leu Ala Leu Tyr Val Leu Pro Val Leu Gly Gln His Val Ala
 1 5 10 15
 Thr Gln His Phe Pro Val Ala Glu Ala Glu Ala Val Val Leu Thr Leu
 20 25 30
 Leu Ala Ile Tyr Ala Ala Gly Leu Ala Leu Pro His Asn Thr His Arg
 35 40 45
 Val Val Ser Thr Gln Ala Pro Asp Arg Gly Trp Met Ala Leu Lys Leu
 50 55 60
 Val Ala Leu Ile Tyr Leu Ala Leu Gln Leu Gly Cys Ile Ala Leu Thr
 65 70 75 80
 Asn Phe Ser Leu Gly Phe Leu Leu Ala Thr Thr Met Val Pro Thr Ala
 85 90 95
 Ala Leu Ala Lys Pro His Gly Pro Arg Thr Leu Tyr Ala Ala Leu Leu
 100 105 110

Val Leu Thr Ser Pro Ala Ala Thr Leu Leu Gly Ser Leu Phe Leu Trp
115 120

Arg Glu Leu Gln Glu Ala Pro Leu Ser Leu Ala Glu Gly Trp Gln Leu
130 135 140

Phe Leu Ala Ala Leu Ala Gln Gly Val Leu Glu His His Thr Thr Ala
145 150 155 160

Pro Cys Ser Ser His Cys Cys Pro Trp Ala Ser Thr Pro Ala Gly Cys
165 170 175

Phe Ser Gly Met Cys Ser Ser Gly Ser Glu Ile Cys Leu Ser Gly Leu
180 185 190

Gly Gln Arg Leu Pro Lys Asp Pro Ile Leu Pro Pro Ser Gly Glu Ile
195 200 205

Asn Glu Cys Leu Phe Gln Gln Xaa Lys Lys Lys Lys Lys Lys Lys Lys
210 215 220

Lys Lys Lys Lys Gly Gly
225 230

<210> 148

<211> 62

<212> PRT

<213> Homo sapiens

<400> 148

Gln Pro Ala Leu Leu Tyr Leu Val Pro Ala Cys Ile Gly Phe Pro Val
1 5 10 15

Leu Val Ala Leu Ala Lys Gly Glu Val Thr Glu Met Phe Ser Tyr Glu
20 25 30

Glu Ser Asn Pro Lys Asp Pro Ala Ala Val Thr Glu Ser Lys Glu Gly
35 40 45

Thr Glu Ala Ser Ala Ser Lys Gly Leu Glu Lys Lys Glu Lys
50 55 60

<210> 149

<211> 17

<212> PRT

<213> Homo sapiens

<400> 149

Gln Leu Ile Leu Ser Leu Leu Arg Gly Phe Cys Lys Thr Glu Arg Val
1 5 10 15

Gly

<210> 150

<211> 15
 <212> PRT
 <213> Homo sapiens

<400> 150
 Met Ala Leu Gly Ala Arg Glu Leu Pro Gly Ser Leu Ser Arg Trp
 1 5 10 15

<210> 151
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 151
 Met Tyr Ser Phe Ser Val Leu Glu Ile Thr Cys Phe Ile Leu Phe Leu
 1 5 10 15

Trp Pro Ser Trp Val
 20

<210> 152
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 152
 Met Lys Ile Lys Gln Arg Phe Ser Leu Leu Leu Phe His Cys Pro Phe
 1 5 10 15

Pro Pro Cys Cys Leu Ser Leu Gly
 20

<210> 153
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 153
 Met Asn Gly Leu Phe Gln Leu Glu Ile Ser His Lys Leu Trp Thr Lys
 1 5 10 15

Ser Lys Thr Ser Leu Met Thr Leu Leu Ser Val Met Ala Leu Leu Trp
 20 25 30

Lys Ile Leu Trp Ser Arg Ala Ile
 35 40

<210> 154
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 154
 Met Thr Pro Gly Leu Phe Leu Tyr Phe Val Cys Val Cys Val Ser His

1 5 10 15
 Cys Ala Gly Leu Gly Gln Leu Ser
 20

<210> 155
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 155
 Ile Arg His Glu Leu Gly Cys Ser Trp Arg Phe Arg Ala Val Lys Ala
 1 5 10 15

Ala Ser Ala Gln Gly Leu Phe Leu Ser Ala Pro Gly Pro Ala Ala Arg
 20 25 30

Arg Cys His Gly Val Val Arg Cys Phe Ser Thr Cys Arg Ala Leu Thr
 35 40 45

Ala Arg Cys Thr Gly Arg Val Pro Trp Glu Ala Cys Leu Tyr Ser Ser
 50 55 60

Glu Pro Pro Leu Thr Glu Thr Val Ala Arg Ser Val Ser Trp Thr Cys
 65 70 75 80

Glu Leu Ala Leu Thr Cys Tyr Ala Pro Arg Ala Leu Ser Gly Ala Pro
 85 90 95

Val Leu Cys Arg His Asp Val
 100

<210> 156
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 156
 Val His Leu Gly Leu Pro Pro Gly Asp Ala
 1 5 10

<210> 157
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 157
 Arg Ala Val Lys Ala Ala Ser Ala Gln Gly Leu Phe Leu Ser Ala Pro
 1 5 10 15

Gly Pro

<210> 158

<211> 28
 <212> PRT
 <213> Homo sapiens

<400> 158
 Gly Val Val Arg Cys Phe Ser Thr Cys Arg Ala Leu Thr Ala Arg Cys
 1 5 10 15
 Thr Gly Arg Val Pro Trp Glu Ala Cys Leu Tyr Ser
 20 25

<210> 159
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 159
 Ser Val Ser Trp Thr Cys Glu Leu Ala Leu Thr Cys Tyr Ala Pro Arg
 1 5 10 15
 Ala Leu Ser Gly Ala Pro Val
 20

<210> 160
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 160
 Asn Ser Ala Arg Ala Lys Thr Lys Glu Thr Phe Gly Gly
 1 5 10

<210> 161
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 161
 Phe Leu Ala Ile His Phe Pro Thr Asp Phe Pro Leu Lys Pro Pro Lys
 1 5 10 15
 Val Ala Phe Thr Arg Met Tyr Phe Pro Asn Ser Asn Ser Asn Gly Ser
 20 25 30

Thr Cys Leu Asp Ile Leu Trp Ser Gln Trp Ser Pro Ala Leu
 35 40 45

<210> 162
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 162
 Leu Lys Pro Pro Lys Val Ala Phe Thr Arg Met Tyr Phe Pro Asn Ser

1 5 10 15
 Asn Ser Asn Gly Ser Thr Cys
 20

 <210> 163
 <211> 38
 <212> PRT
 <213> Homo sapiens

 <400> 163
 Ala Gly Ile Arg His Glu Gly Thr Thr Pro Cys Phe Cys Lys Gly Leu
 1 5 10 15

 Glu Asn Ile Tyr Pro Val Pro Phe Leu Phe Ala Phe Val Phe Ile Ile
 20 25 30

 Leu Ala Asn Tyr Trp Lys
 35

 <210> 164
 <211> 44
 <212> PRT
 <213> Homo sapiens

 <400> 164
 His Ser Val Val Thr Val Val Ser Ser Thr Ile Ser Lys Val Leu Phe
 1 5 10 15

 Ser Ile Cys Ser Pro Leu Tyr Asp Ser Asn Pro His Asp Leu Leu Val
 20 25 30

 Asn Glu Val Ala Glu Ile Phe Thr Met Ser Ile Ile
 35 40

 <210> 165
 <211> 38
 <212> PRT
 <213> Homo sapiens

 <400> 165
 Asn Ser Ala Arg Ala Gly Gln Asp Arg Arg Gly Pro Arg Val Thr Ala
 1 5 10 15

 Glu Gln Thr Leu Pro Ala Ala Ala Ala Ala Leu Leu Arg Asp
 20 25 30

 Glu Pro Glu Arg Leu Ala
 35

 <210> 166
 <211> 27
 <212> PRT
 <213> Homo sapiens

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<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 166
Leu His His Pro His Xaa Leu Pro Leu Ala Leu Xaa Ile Gln Asn Phe
  1              5              10              15

Pro Gln Ser Leu Ala Ala Arg Leu Ser Trp Gly
          20              25

<210> 167
<211> 12
<212> PRT
<213> Homo sapiens

<400> 167
Met Ile Leu Val Phe Thr Val Lys Leu Ser Asn Val
  1              5              10

<210> 168
<211> 20
<212> PRT
<213> Homo sapiens

<400> 168
Thr Pro Val Ile Thr Val Leu Thr Ile Lys Phe Phe Gln Leu Ser Phe
  1              5              10              15

Phe Thr Glu Ile
          20

<210> 169
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 169

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Gln Val Ala Glu Ser Ile Leu Leu Thr Asp Glu Gln Pro Lys Ala Gly
 1 5 10 15

Gln Thr Leu Leu Xaa Ala Leu Pro Ala Pro Xaa Ile Arg Asn Thr Gly
 20 25 30

Lys Glu Ile Gly Thr Ala Thr Gln Pro Ser
 35 40

<210> 170

<211> 7

<212> PRT

<213> Homo sapiens

<400> 170

Pro Gly Ser His Arg Glu Asp
 1 5

<210> 171

<211> 27

<212> PRT

<213> Homo sapiens

<400> 171

Glu His Val Trp Gly Phe Val Trp Val Thr Leu Trp Leu Pro Lys Pro
 1 5 10 15

Pro Phe Pro Thr Val Ile Ser Leu Lys Cys Leu
 20 25

<210> 172

<211> 8

<212> PRT

<213> Homo sapiens

<400> 172

Ile Arg His Glu Gly Ile Thr Gly
 1 5

<210> 173

<211> 9

<212> PRT

<213> Homo sapiens

<400> 173

Gly Phe Gly Leu Gly Asn Gly Ala Glu
 1 5

<210> 174

<211> 6

<212> PRT

<213> Homo sapiens

<400> 174

Arg Ile Tyr Met Leu Ile
1 5

<210> 175

<211> 91

<212> PRT

<213> Homo sapiens

<400> 175

Thr His Ile Arg Lys Gln Tyr Ala Ala Val Pro Val Arg Ile Pro Gly
1 5 10 15Arg Pro Thr Arg Pro Pro Thr Arg Pro His Leu Pro Trp Leu Trp Gly
20 25 30Gly Ala Ser Met Pro Cys Val Ala Leu Gly Trp Ala Val Ala Pro His
35 40 45Cys Ser Ser Phe Leu Phe Thr Asn His Ala Ser Leu Leu Val Ser Ser
50 55 60Asp Glu Ile Thr Trp Ile Ser Trp Leu Pro Val Lys Asp Leu His Ala
65 70 75 80Tyr Tyr Gly Phe Phe Val Val Val Val Trp
85 90

<210> 176

<211> 25

<212> PRT

<213> Homo sapiens

<400> 176

Val Pro Val Arg Ile Pro Gly Arg Pro Thr Arg Pro Pro Thr Arg Pro
1 5 10 15His Leu Pro Trp Leu Trp Gly Gly Ala
20 25

<210> 177

<211> 24

<212> PRT

<213> Homo sapiens

<400> 177

Val Ala Pro His Cys Ser Ser Phe Leu Phe Thr Asn His Ala Ser Leu
1 5 10 15Leu Val Ser Ser Asp Glu Ile Thr
20

<210> 178

<211> 6

<212> PRT
 <213> Homo sapiens

<400> 178
 Met Leu Gln Tyr Leu Asn
 1 5

<210> 179
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 179
 Ile Arg His Glu Val Ser Leu Pro Ser Thr Phe Ser Val Leu His Arg
 1 5 10 15
 Ile

<210> 180
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 180
 Arg Ala Arg Glu Gln Trp Gly Ser Gly Trp Ala His Ala
 1 5 10

<210> 181
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 181
 Met Leu Leu Thr Pro His Phe Asn Val Ala Asn Pro Gln Asn Leu Leu
 1 5 10 15

Ala Gly Leu Trp Leu Glu Asn Glu His Ser Phe Thr Leu Met Ala Pro
 20 25 30

Glu Arg Ala Arg Thr His His Cys Gln Pro Glu Glu Arg Lys Val Leu
 35 40 45

Phe Cys Leu Phe Pro Ile Val Pro Asn Ser Gln Ala Gln Val Gln Pro
 50 55 60

Pro Gln Met Pro Pro Phe Cys Cys Ala Ala Lys Glu Lys Thr Gln
 65 70 75 80

Glu Glu Gln Leu Gln Glu Pro Leu Gly Ser Gln Cys Pro Asp Thr Cys
 85 90 95

Pro Asn Ser Leu Cys
 100

<210> 182
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 182
 Arg Met Ser Thr Val Ser Pro Leu Trp Leu Gln Lys Glu Gln Glu His
 1 5 10 15
 Thr Thr Ala Ser Gln Lys Arg Glu Lys Ser Cys Ser Val Ser Phe Pro
 20 25 30
 Leu Ser Gln Ile Ala Lys His Arg Phe Asn His Pro Lys Cys His Pro
 35 40 45
 Ser Ala Val Gln Gln Pro Arg Lys Arg Pro Arg Arg Ser Ser Ser Lys
 50 55 60
 Asn Leu Trp Ala Val Ser Ala Gln Ile Leu Ala Pro Ile Leu Cys Val
 65 70 75 80
 Gln Ala Thr Leu Ser
 85

<210> 183
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 183
 Gly Leu Trp Leu Glu Asn Glu His Ser Phe Thr Leu Met Ala Pro Glu
 1 5 10 15
 Arg Ala Arg Thr His His Cys Gln Pro Glu Glu Arg Lys Val Leu
 20 25 30

<210> 184
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 184
 Glu His Thr Thr Ala Ser Gln Lys Arg Glu Lys Ser Cys Ser Val Ser
 1 5 10 15
 Phe Pro Leu Ser Gln
 20

<210> 185
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 185

Thr Cys Ala Trp Leu Phe Gly Thr Met Gly Lys Arg Gln Asn Lys Thr
1 5 10 15

Phe Leu Ser Ser Gly Trp Gln Trp Cys Val Leu Ala Leu Ser Gly Ala
20 25 30

Ile Arg Val Lys Leu Cys Ser Phe Ser Ser Gln Arg Pro Ala Asn Arg
35 40 45

Phe Trp Gly Phe Ala Thr Leu Lys Cys Gly Val Asn Ser Ile Ala Thr
50 55 60

Thr Ser Gly Asp Arg Val Lys Tyr Ser Lys Ser Gly Arg Ser Arg Gln
65 70 75 80

Leu Tyr Ile Pro Leu Val Phe Leu Tyr Gly Pro Val Cys Leu Gly Lys
85 90 95

Lys Ser His Ile Leu Leu Lys Gly Ser Asn Tyr Ser Ala Leu Leu Phe
100 105 110

Cys Lys Val Leu Phe Lys Cys Ser Lys Tyr
115 120

<210> 186

<211> 25

<212> PRT

<213> Homo sapiens

<400> 186

Lys Arg Gln Asn Lys Thr Phe Leu Ser Ser Gly Trp Gln Trp Cys Val
1 5 10 15

Leu Ala Leu Ser Gly Ala Ile Arg Val
20 25

<210> 187

<211> 23

<212> PRT

<213> Homo sapiens

<400> 187

Leu Lys Cys Gly Val Asn Ser Ile Ala Thr Thr Ser Gly Asp Arg Val
1 5 10 15

Lys Tyr Ser Lys Ser Gly Arg
20

<210> 188

<211> 19

<212> PRT

<213> Homo sapiens

<400> 188

Leu Leu Lys Gly Ser Asn Tyr Ser Ala Leu Leu Phe Cys Lys Val Leu

1 5 10 15
Phe Lys Cys

<210> 189
<211> 211
<212> PRT
<213> Homo sapiens

<400> 189
Met Arg Leu Phe Leu Trp Asn Ala Val Leu Thr Leu Phe Val Thr Ser
1 5 10 15
Leu Ile Gly Ala Leu Ile Pro Glu Pro Glu Val Lys Ile Glu Val Leu
 20 25 30
Gln Lys Pro Phe Ile Cys His Arg Lys Thr Lys Gly Gly Asp Leu Met
 35 40 45
Leu Val His Tyr Glu Gly Tyr Leu Glu Lys Asp Gly Ser Leu Phe His
 50 55 60
Ser Thr His Lys His Asn Asn Gly Gln Pro Ile Trp Phe Thr Leu Gly
 65 70 75 80
Ile Leu Glu Ala Leu Lys Gly Trp Asp Gln Gly Leu Lys Gly Met Cys
 85 90 95
Val Gly Glu Lys Arg Lys Leu Ile Ile Pro Pro Ala Leu Gly Tyr Gly
 100 105 110
Lys Glu Gly Lys Gly Lys Ile Pro Pro Glu Ser Thr Leu Ile Phe Asn
 115 120 125
Ile Asp Leu Leu Glu Ile Arg Asn Gly Pro Arg Ser His Glu Ser Phe
 130 135 140
Gln Glu Met Asp Leu Asn Asp Asp Trp Lys Leu Ser Lys Asp Glu Val
 145 150 155 160
Lys Ala Tyr Leu Lys Lys Glu Phe Glu Lys His Gly Ala Val Val Asn
 165 170 175
Glu Ser His His Asp Ala Leu Val Glu Asp Ile Phe Asp Lys Glu Asp
 180 185 190
Glu Asp Lys Asp Gly Phe Ile Ser Ala Arg Glu Phe Thr Tyr Lys His
 195 200 205
Asp Glu Leu
 210

<210> 190
<211> 186
<212> PRT

<213> Homo sapiens

<400> 190

Glu Val Lys Ile Glu Val Leu Gln Lys Pro Phe Ile Cys His Arg Lys
 1 5 10 15

Thr Lys Gly Gly Asp Leu Met Leu Val His Tyr Glu Gly Tyr Leu Glu
 20 25 30

Lys Asp Gly Ser Leu Phe His Ser Thr His Lys His Asn Asn Gly Gln
 35 40 45

Pro Ile Trp Phe Thr Leu Gly Ile Leu Glu Ala Leu Lys Gly Trp Asp
 50 55 60

Gln Gly Leu Lys Gly Met Cys Val Gly Glu Lys Arg Lys Leu Ile Ile
 65 70 75 80

Pro Pro Ala Leu Gly Tyr Gly Lys Glu Gly Lys Gly Lys Ile Pro Pro
 85 90 95

Glu Ser Thr Leu Ile Phe Asn Ile Asp Leu Leu Glu Ile Arg Asn Gly
 100 105 110

Pro Arg Ser His Glu Ser Phe Gln Glu Met Asp Leu Asn Asp Asp Trp
 115 120 125

Lys Leu Ser Lys Asp Glu Val Lys Ala Tyr Leu Lys Lys Glu Phe Glu
 130 135 140

Lys His Gly Ala Val Val Asn Glu Ser His His Asp Ala Leu Val Glu
 145 150 155 160

Asp Ile Phe Asp Lys Glu Asp Glu Asp Lys Asp Gly Phe Ile Ser Ala
 165 170 175

Arg Glu Phe Thr Tyr Lys His Asp Glu Leu
 180 185

<210> 191

<211> 633

<212> DNA

<213> Homo sapiens

<400> 191

ATGAGGCTTT TCTTGTGGAA CGCGTCTTG ACTCTGTTTC TCACTTCTTT GATTGGGGCT 60

TTGATCCCTG AACAGAAAGT GAAATTTGAA GTTCTCCAGA AGCCATTCAT CTGCCATCGC 120

AAGACCAAGG GAGGGGATTT GATGTTGGTC CACTATGAAG GCTACTTAGA AAAGACGGC 180

TCCTTAITTC ACTCCACTCA CAAACATAAC AATGTCAGC CCATTGGTT TACCCTGGGC 240

ATCCTGGAGG CTCTCAAAGG TTGGGACCAG GGCTTGAAAG GAATGTGTGT AGGAGAGAAG 300

AGAAAGCTCA TCATTCTCCT TGCTCTGGGC TATGGAAAAA AAGGAAAAGG TAAATTTCCC 360

CCAGAAAGTA CACTGATATT TAATATTGAT CTCCTGGAGA TTCGAAATGG ACCAAGATCC 420
 CATGAATCAT TCCAAGAAAT GGATCTTAAT GATGACTGGA AACTCTCTAA AGATGAGGTT 480
 AAAGCATATT TAAAGAAGGA GTTTGAAAAA CATGGTGC GG TGGTGAATGA AAGTCATCAT 540
 GATGCTTTGG TGGAGGATAT TTTTGATAAA GAAGATGAAG ACAAAGATGG GTTTATATCT 600
 GCCAGAGAAT TTACATATAA ACACGATGAG TTA 633

<210> 192
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 192
 Ser Arg Gly Thr Phe Arg Cys Phe Cys Arg Asp Phe Phe Pro Cys Phe
 1 5 10 15
 Ser Asn

<210> 193
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 193
 Gln Glu Gln Pro Val Gly Thr Ala Ala Val Val Gly Gly Gly Arg Gly
 1 5 10 15
 Ser Val Ala Ala Pro Pro Cys Pro Ala
 20 25

<210> 194
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 194
 Gly Asn Val Ala Phe Pro Ala Glu Pro Val Ser Pro Pro Ala Ser Leu
 1 5 10 15
 Leu Gln Gln Pro Glu Leu Glu Ser Asp Pro Glu Arg Thr Leu Ala Met
 20 25 30
 Asp Ser Ala Leu Ser Asp Pro His Asn Gly Ser Ala Glu Ala Gly Gly
 35 40 45
 Pro Thr Asn Ser Thr Thr Arg Pro Pro Ser Thr Pro Glu Gly Ile Ala
 50 55 60
 Leu Ala Tyr Gly Ser Leu Leu Leu
 65 70

<210> 195
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 195
 Val Ser Pro Pro Ala Ser Leu Leu Gln Gln Pro Glu Leu Glu Ser Asp
 1 5 10 15
 Pro Glu Arg Thr Leu Ala
 20

<210> 196
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 196
 Gly Ser Ala Glu Ala Gly Gly Pro Thr Asn Ser Thr Thr Arg Pro Pro
 1 5 10 15
 Ser Thr Pro Glu Gly
 20

<210> 197
 <211> 251
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 197
 Ala Cys Leu Lys Met Cys Met Met Lys Met Val Xaa Pro Gln Ala Glu
 1 5 10 15

Xaa Val Gly Cys Lys Ala Gly Val Glu Val Gly Val Gly Ile Leu Leu
 20 25 30

Gln Ala Asp Val Lys Ala Gln Gln Gln Gly Asn Glu Asp Pro Trp Asn
 35 40 45

Asp Asp Ile Ser Lys Ser Gln His Gly Lys Val Val Cys Phe Glu Ala
 50 55 60

Phe Leu Gln Gln Ile Leu Gly Lys His Gln Phe Tyr Trp Cys Leu Glu
 65 70 75 80

Gly Leu Gly His Cys His His His Ile Gly Ala Lys Tyr Pro Glu Asp
 85 90 95
 Ile Val Asp Glu Glu Ser Ala Gln Gln Asp Ala Ala Ser Ala Asp Ile
 100 105 110
 Val Glu Val Gln Glu Leu Tyr Ser Ile Lys Gly Glu Gly Gln Ala Lys
 115 120 125
 Lys Val Val Gly Asn Pro Val Leu Pro Gln Gln Val Pro Asp Ala Asn
 130 135 140
 Asp Ala Ala Gln Ala Gln Ala His Gln Val Leu Gly Val Lys Phe Ile
 145 150 155 160
 Ile Asp Asp Leu Phe Leu Val Phe Pro Arg Thr Leu Cys Glu Glu Gln
 165 170 175
 Leu Val Leu Ser Ile Trp Lys Ala Gly Trp Lys Lys Leu Ile His Glu
 180 185 190
 Gly Ala Asp Gly Val Gly Gln Gly Gln Asp Ser Gln His Glu Glu Ile
 195 200 205
 His Gly Gln Gln Glu Val Asp Val Leu Leu Gly Glu Tyr Phe Glu Lys
 210 215 220
 Glu Val Glu Pro Gln Glu Cys Ala Ala Gly Asp Asp Gly Glu Ala Gly
 225 230 235 240
 Gly Ile Pro Ala Gly Asp Cys Phe Arg His Val
 245 250

<210> 198

<211> 28

<212> PRT

<213> Homo sapiens

<400> 198

Asp Asp Ile Ser Lys Ser Gln His Gly Lys Val Val Cys Phe Glu Ala
 1 5 10 15

Phe Leu Gln Gln Ile Leu Gly Lys His Gln Phe Tyr
 20 25

<210> 199

<211> 28

<212> PRT

<213> Homo sapiens

<400> 199

Gln Phe Tyr Trp Cys Leu Glu Gly Leu Gly His Cys His His Ile
 1 5 10 15

Gly Ala Lys Tyr Pro Glu Asp Ile Val Asp Glu Glu

20

25

<210> 200

<211> 26

<212> PRT

<213> Homo sapiens

<400> 200

Ser Ile Lys Gly Glu Gly Gln Ala Lys Lys Val Val Gly Asn Pro Val
 1 5 10 15

Leu Pro Gln Gln Val Pro Asp Ala Asn Asp
 20 25

<210> 201

<211> 26

<212> PRT

<213> Homo sapiens

<400> 201

Leu Leu Gly Glu Tyr Phe Glu Lys Glu Val Glu Pro Gln Glu Cys Ala
 1 5 10 15

Ala Gly Asp Asp Gly Glu Ala Gly Gly Ile
 20 25

<210> 202

<211> 22

<212> PRT

<213> Homo sapiens

<400> 202

Leu Arg Ser Val Val Gln Asp His Pro Gly Gln His Gly Glu Thr Pro
 1 5 10 15

Ser Leu Leu Lys Ile Gln
 20

<210> 203

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 203

Ile Xaa Xaa Gly Gln Lys Ile Ser Pro Tyr Phe Lys Met Gln Gln Ser
1 5 10 15

Ile Asn Lys Ile Leu Ala Ile Phe Leu Asn Asp Thr Phe Phe Tyr Asn
20 25 30

Leu Tyr Arg Lys Leu Ser Ala Arg Ala Arg His Arg Val Thr Pro Val
35 40 45

Ile Pro Ala Leu Trp Glu Ala Lys Ala Gly Gly Ser Pro Glu Val Ser
50 55 60

Ser Ser Arg Pro Pro Trp Pro Thr Trp Arg Asn Ser Ile Ser Thr Lys
65 70 75 80

Asn Thr Lys Gln Leu Ala Arg Cys Gly Gly Arg Arg Leu
85 90

<210> 204

<211> 24

<212> PRT

<213> Homo sapiens

<400> 204

Tyr Phe Lys Met Gln Gln Ser Ile Asn Lys Ile Leu Ala Ile Phe Leu
1 5 10 15

Asn Asp Thr Phe Phe Tyr Asn Leu
20

<210> 205

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 205

Met Phe Tyr Asn Phe Val Arg Gln Leu Asp Thr Val Ser Ile Glu His
1 5 10 15

Ala Gly Lys Ser Lys Leu Lys Met Thr Val Gly Thr Lys Leu Thr Ser
20 25 30

Gly Xaa Gly Pro Arg Lys Ser Ser Gln Ser Gly Arg Ile Ala Ala Ser
35 40 45

Ile Thr Asp Cys Gln Gln Cys Lys Ala
50 55

<210> 206

<211> 46

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 206
 Met Glu Ala Ala Ile Leu Pro Leu Trp Leu Leu Phe Leu Gly Pro Xaa
 1 5 10 15
 Pro Glu Val Ser Phe Val Pro Thr Val Ile Phe Asn Leu Asp Phe Pro
 20 25 30
 Ala Cys Ser Ile Leu Thr Val Ser Ser Cys Leu Thr Lys Leu
 35 40 45

<210> 207
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 207
 Leu Leu Phe Ile Leu Leu His Leu His Leu Lys Leu Val Leu Asn Cys
 1 5 10 15
 Ser Ala Asn Ser Leu Val
 20

<210> 208
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 208
 Asn Ser Ala Arg Ala Ala Arg Ala Thr Phe Ser Val Gln Ser Met Gly
 1 5 10 15

<210> 209
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 209
 Met Leu Glu Arg Asn Leu Pro Gln Gly Arg Ala
 1 5 10

<210> 210
 <211> 97
 <212> PRT

<213> Homo sapiens

<400> 210

Ala Thr Glu Pro Gln Phe Leu Gly Arg Ala Ala Val Ser Ala Glu
1 5 10 15

Gly Lys Ala Val Gln Thr Ala Ile Leu Gly Gly Ala Met Ser Val Val
20 25 30

Ser Ala Cys Val Leu Leu Thr Gln Cys Leu Arg Asp Leu Ala Gln Pro
35 40 45

Arg Arg Gly Ala Lys Met Ser Asp His Arg Glu Arg Leu Arg Asn Ser
50 55 60

Ala Cys Ala Val Ser Glu Gly Cys Thr Leu Leu Ser Gln Ala Leu Arg
65 70 75 80

Glu Arg Ser Ser Pro Arg Thr Leu Pro Pro Val Asn Ser Asn Ser Val
85 90 95

Asn

<210> 211

<211> 30

<212> PRT

<213> Homo sapiens

<400> 211

Leu Gly Gly Ala Met Ser Val Val Ser Ala Cys Val Leu Leu Thr Gln
1 5 10 15

Cys Leu Arg Asp Leu Ala Gln Pro Arg Arg Gly Ala Lys Met
20 25 30

<210> 212

<211> 25

<212> PRT

<213> Homo sapiens

<400> 212

Cys Ala Val Ser Glu Gly Cys Thr Leu Leu Ser Gln Ala Leu Arg Glu
1 5 10 15

Arg Ser Ser Pro Arg Thr Leu Pro Pro
20 25

<210> 213

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 213

Gln	Phe	Ser	Thr	Pro	Lys	Arg	Thr	Val	Gly	Ala	Asn	Arg	Gln	Ala	Ile
1				5					10					15	

Asn	Ala	Ala	Leu	Thr	Gln	Ala	Thr	Arg	Thr	Thr	Val	Tyr	Ile	Val	Asp
			20					25					30		

Ile	Gln	Asp	Ile	Asp	Ser	Ala	Ala	Arg	Ala	Arg	Pro	His	Ser	Tyr	Leu
	35						40					45			

Asp	Ala	Tyr	Phe	Val	Phe	Pro	Asn	Gly	Ser	Ala	Leu	Thr	Xaa	Asp	Glu
	50					55					60				

Leu	Ser	Val
65		

<210> 214

<211> 32

<212> PRT

<213> Homo sapiens

<400> 214

Leu	Thr	Gln	Ala	Thr	Arg	Thr	Thr	Val	Tyr	Ile	Val	Asp	Ile	Gln	Asp
1				5					10					15	

Ile	Asp	Ser	Ala	Ala	Arg	Ala	Arg	Pro	His	Ser	Tyr	Leu	Asp	Ala	Tyr
			20					25					30		

<210> 215

<211> 25

<212> PRT

<213> Homo sapiens

<400> 215

Asn	His	Gly	His	Ser	Cys	Phe	Leu	Cys	Glu	Ile	Val	Ile	Arg	Ser	Gln
1				5					10					15	

Phe	His	Thr	Thr	Tyr	Glu	Pro	Glu	Ala
		20				25		

<210> 216

<211> 48

<212> PRT

<213> Homo sapiens

<400> 216

Ser	Gly	Arg	His	Arg	Val	Glu	Leu	Gln	Leu	Phe	Pro	Leu	Val	Arg
1				5					10				15	

Val Asn Phe Glu Leu Gly Val Asn His Gly His Ser Cys Phe Leu Cys
 20 25 30

Glu Ile Val Ile Arg Ser Gln Phe His Thr Thr Tyr Glu Pro Glu Ala
 35 40 45

<210> 217

<211> 13

<212> PRT

<213> Homo sapiens

<400> 217

Lys Phe Leu Asn Trp Ser Ile Ser Asp Ala Phe Val Lys
 1 5 10

<210> 218

<211> 12

<212> PRT

<213> Homo sapiens

<400> 218

Ile Lys Ile Phe Ser Cys Cys Arg Lys Ala Trp Val
 1 5 10

<210> 219

<211> 98

<212> PRT

<213> Homo sapiens

<400> 219

Phe Leu Ser Leu Leu Leu Ala Phe Ser Phe Ser Leu Phe Phe Phe
 1 5 10 15

Phe Asn Arg Lys Cys Thr Met Gln Val His Arg Pro Gln Thr Lys Leu
 20 25 30

Asp His Gln His Val His Val Gln Thr Ser Ala Val Ala Cys Thr Ala
 35 40 45

Cys Ala Pro Gln Phe Leu Gln Cys Trp Phe Val Cys Phe Leu Ile Gln
 50 55 60

His Pro Ala Gly Phe Thr Phe Gln Ala Arg Ser Val Ala Thr Pro Lys
 65 70 75 80

Cys Val Leu Met Ser Ser Ser Leu Phe Ala Phe Leu Leu Thr Tyr Phe
 85 90 95

Val Tyr

<210> 220
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 220
 Val Gln Thr Ser Ala Val Ala Cys Thr Ala Cys Ala Pro Gln Phe Leu
 1 5 10 15
 Gln Cys Trp Phe Val Cys Phe
 20

<210> 221
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 221
 Ser Val Ala Thr Pro Lys Cys Val Leu Met Ser Ser Ser Leu Phe Ala
 1 5 10 15
 Phe Leu Leu

<210> 222
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 222
 Ser Gln His Pro Glu Leu Gln Glu Gly Lys Ile Ser Ser Gln Ile Glu
 1 5 10 15
 Phe Tyr Ile Tyr His Phe Phe Gly Thr Phe Ser Pro Gln Asp Ser Asn
 20 25 30
 Ile

<210> 223
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 223
 Met Asn Ala Arg Gly Leu Gly Ser Glu Leu Lys Asp Ser Ile Pro Val
 1 5 10 15
 Thr Glu Leu Ser Ala Ser Gly Pro Phe Glu Ser His Asp Leu Arg
 20 25 30
 Lys Gly Phe Ser Cys Val Lys Asn Glu Leu Leu Pro Ser His Pro Leu
 35 40 45
 Glu Leu Ser Glu Lys Asn Phe Gln Leu Asn Gln Asp Lys Met Asn Phe

50 55 60
 Ser Thr Leu Arg Asn Ile Gln Gly Leu Phe Ala Pro Leu Lys Leu Gln
 65 70 75 80
 Met Glu Phe Lys Ala Val Gln Gln Val Gln Arg Leu Pro Phe Leu Ser
 85 90 95
 Ser Ser Asn Leu Ser Leu Asp Val Leu Arg Gly Asn Asp Glu Thr Ile
 100 105 110
 Gly Phe Glu Asp Ile Leu Asn Asp Pro Ser Gln Ser Glu Val Met Gly
 115 120 125
 Glu Pro His Leu Met Val Glu Tyr Lys Leu Gly Leu Leu
 130 135 140

<210> 224

<211> 23

<212> PRT

<213> Homo sapiens

<400> 224

Leu Lys Asp Ser Ile Pro Val Thr Glu Leu Ser Ala Ser Gly Pro Phe
 1 5 10 15

Glu Ser His Asp Leu Leu Arg
 20

<210> 225

<211> 21

<212> PRT

<213> Homo sapiens

<400> 225

Gln Leu Asn Gln Asp Lys Met Asn Phe Ser Thr Leu Arg Asn Ile Gln
 1 5 10 15

Gly Leu Phe Ala Pro
 20

<210> 226

<211> 22

<212> PRT

<213> Homo sapiens

<400> 226

Gln Gln Val Gln Arg Leu Pro Phe Leu Ser Ser Ser Asn Leu Ser Leu
 1 5 10 15

Asp Val Leu Arg Gly Asn
 20

<210> 227

<211> 38
 <212> PRT
 <213> Homo sapiens

<400> 227
 Glu Phe Gly Thr Arg Ala Ala Pro Gly Ser Leu Gly Ala Arg Gly Ser
 1 5 10 15
 Ala Ala Thr Pro Ser Gly Arg Pro Gln Lys Leu Arg Asp Pro Ser Gly
 20 25 30
 Thr Ser Gly Gln Pro Arg
 35

<210> 228
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 228
 Asn Ser Ala Arg Gly Arg His Gln Gly Ala Trp Ala Pro Gly Ala Pro
 1 5 10 15
 Pro Arg Pro His Arg Val Asp His Arg Ser Ser Gly Thr Leu Pro Ala
 20 25 30
 Pro Leu Asp Ser Pro Gly Cys Cys Trp Pro Pro Ser Ser Ser Ser
 35 40 45
 Leu Glu Ala Leu Trp Pro Ile Gln Thr Gly Leu Phe Phe Gln Ile Met
 50 55 60
 Leu Val Arg Thr Pro Gln Gln Cys Ser
 65 70

<210> 229
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 229
 Gln Gly Ala Trp Ala Pro Gly Ala Pro Pro Arg Pro His Arg Val Asp
 1 5 10 15
 His Arg Ser Ser Gly Thr Leu Pro Ala
 20 25

<210> 230
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 230
 Leu Trp Pro Ile Gln Thr Gly Leu Phe Phe Gln Ile Met Leu Val Arg
 1 5 10 15

Thr Pro Gln

<210> 231
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 231
 Thr Met Ser Glu Leu Leu Gly Arg Asn Leu Gly Trp Glu Ala Ser Asp
 1 5 10 15

Pro Arg Leu His Pro Trp Leu Pro Gln Pro Ala Ala Ala Ser Lys Thr
 20 25 30

Lys Arg Glu
 35

<210> 232
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 232
 Ile Phe Arg Asn Ala His Ile Ile Val Gly Thr Asp Ser Phe Leu His
 1 5 10 15

Asp

<210> 233
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 233
 Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr Gln Pro Tyr Pro
 1 5 10 15

<210> 234
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 234
 Pro Leu Leu Gly Val Ser Ala Thr Leu Asn Ser Val Leu Asn Ser Asn
 1 5 10 15

Ala Ile Lys Asn
 20

<210> 235

<211> 14
 <212> PRT
 <213> Homo sapiens

<400> 235
 Gly Ser Ala Val Ser Ala Ala Pro Gly Ile Leu Tyr Pro Gly
 1 5 10

<210> 236
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (138)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 236
 Arg Ser Phe Ser Leu Ser Phe Ser Leu Leu Ser Pro Ser Glu Met Met
 1 5 10 15

Ala Leu Gly Ala Ala Gly Ala Thr Arg Val Phe Val Ala Met Val Ala
 20 25 30

Ala Ala Leu Gly Gly His Pro Leu Leu Gly Val Ser Ala Thr Leu Asn
 35 40 45

Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Leu Gly
 50 55 60

Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro Gly Ile
 65 70 75 80

Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr Gln Pro
 85 90 95

Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly Thr Asp Glu Tyr Cys Ala
 100 105 110

Ser Pro Thr Arg Gly Gly Asp Ala Gly Val Gln Ile Cys Leu Ala Cys
 115 120 125

Arg Lys Arg Arg Lys Arg Cys Met Xaa Xaa Ala Met Cys Cys Pro Gly
 130 135 140

Asn Tyr Cys Lys Asn Gly Ile Cys Val Ser Ser Asp Gln Asn His Phe
 145 150 155 160

Arg Gly Glu Ile Glu Glu Thr Ile Thr Glu Ser Phe Gly Asn Asp His
 165 170 175

Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr Thr Leu Ser Ser Lys Met
180 185 190

Tyr His Thr Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser Ser Asp
195 200 205

Cys Ala Ser Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys Ile Cys
210 215 220

Lys Pro Val Leu Lys Glu Gly Gln Val Cys Thr Lys His Arg Arg Lys
225 230 235 240

Gly Ser His Gly Leu Glu Ile Phe Gln Arg Cys Tyr Cys Gly Glu Gly
245 250 255

Leu Ser Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn Ser Ser
260 265 270

Arg Leu His Thr Cys Gln Arg His
275 280

<210> 237

<211> 8

<212> PRT

<213> Homo sapiens

<400> 237

Ser Ala Thr Leu Asn Ser Val Leu
1 5

<210> 238

<211> 7

<212> PRT

<213> Homo sapiens

<400> 238

Asn Ser Asn Ala Ile Lys Asn
1 5

<210> 239

<211> 7

<212> PRT

<213> Homo sapiens

<400> 239

Gly Gly Asn Lys Tyr Gln Thr
1 5

<210> 240

<211> 15

<212> PRT

<213> Homo sapiens

<400> 240

Asp Asn Tyr Gln Pro Tyr Pro Cys Ala Glu Asp Glu Glu Cys Gly
 1 5 10 15

<210> 241
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 241
 Gly Val Gln Ile Cys Leu
 1 5

<210> 242
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 242
 Pro Gly Asn Tyr Cys Lys Asn Gly Ile Cys
 1 5 10

<210> 243
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 243
 Arg Gly Glu Ile Glu Glu
 1 5

<210> 244
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 244
 Tyr His Thr Lys Gly Gln Glu Gly Ser Val Cys Leu Arg Ser Asp
 1 5 10 15

Cys Ala

<210> 245
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 245
 Gly Leu Cys Cys Ala Arg His Phe Trp Ser Lys Ile Cys Lys Pro Val
 1 5 10 15

Leu Lys Glu Gly Gln Val Cys Thr Lys His
 20 25

<210> 246
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 246
 Arg Lys Gly Ser His Gly Leu Glu Ile Phe
 1 5 10

<210> 247
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 247
 Gln Arg Cys Tyr Cys Gly Glu Gly Leu
 1 5

<210> 248
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 248
 Cys Arg Ile Gln Lys Asp His His Gln Ala Ser Asn Ser Ser Arg Leu
 1 5 10 15

His Thr Cys Gln Arg His
 20

<210> 249
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 249
 Glu Gly Leu Cys Gly Ala Val Gly Trp Asn Gly Gly Trp His Gly
 1 5 10 15

Thr Gly Thr Arg Glu Ala Ser Ser Pro Phe Ser Ala Thr Ser Lys Arg
 20 25 30

His Ser Ala Leu Pro Glu
 35

<210> 250
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 250
 Ser Trp Ser Leu Met Phe Ile Leu Lys Leu Ala Ser Leu Phe Arg Leu

1 5 10 15
 Leu Ile Gln Pro Leu Ala Phe Ser Phe Asn Leu Gly Gln Lys Asn Arg
 20 25 30
 Gln His Phe Leu Pro Pro Leu Pro His His His Pro Ile Tyr Ser Phe
 35 40 45
 Ser Leu Tyr Tyr His Asn Ser Pro Lys Arg Pro Lys Ser Ile Ile Lys
 50 55 60
 Ser Asn Asn Leu Ala Ser Asn Leu Asn Pro Ser Ile
 65 70 75

<210> 251
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 251
 Lys Leu Ala Ser Leu Phe Arg Leu Leu Ile Gln Pro Leu Ala Phe Ser
 1 5 10 15
 Phe Asn Leu Gly Gln
 20

<210> 252
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 252
 Ser Phe Ser Leu Tyr Tyr His Asn Ser Pro Lys Arg Pro Lys Ser Ile
 1 5 10 15
 Ile Lys Ser Asn
 20

<210> 253
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 253
 Lys Pro Pro Pro Thr Pro Pro Phe Ala Tyr Thr Thr Pro Leu Leu
 1 5 10 15
 Leu Ser

<210> 254
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 254
 Met Leu Ala Cys Arg Arg Leu Pro Met Ser Gln Asn Pro Leu Ser Met
 1 5 10 15

Leu Thr Leu Asp Thr Pro Leu Lys Pro Leu Ile Val Cys Ala Ser Gly
 20 25 30

Cys Glu Val Pro Ala Pro Cys Gly Xaa Cys Ala Cys Thr Xaa Pro Ala
 35 40 45

Leu Gln Phe Leu Cys Thr Tyr Ser Ser Ser Ala Val Leu Lys Cys
 50 55 60

<210> 255
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 255
 Leu Pro Met Ser Gln Asn Pro Leu Ser Met Leu Thr Leu Asp Thr Pro
 1 5 10 15

Leu Lys Pro Leu Ile Val Cys Ala Ser Gly Cys Glu Val Pro
 20 25 30

<210> 256
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 256
 Ala Phe Gly Asp Thr Asp Ile Arg Gln Leu Phe Phe Ala
 1 5 10

<210> 257
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 257
 Arg Gly Ile Ser Val Leu Arg Arg Val Trp Gly Gln Pro Trp Arg Leu
 1 5 10 15

Gln Val Phe Ser Leu Pro Gln Gln Ser Pro Ala Gly Ala Pro Thr Gly

20 25 30
 Ser Gln Arg Gly Met Ala Ala Thr Asp Phe Val Gln Glu
 35 40 45

<210> 258
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 258
 Pro Glu Glu Ala Ser Phe Ala Cys Glu Gly Cys Gly Pro Pro Leu Pro
 1 5 10 15
 Trp Ala Cys Ser Pro Gly Trp
 20

<210> 259
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 259
 Lys Tyr Met Leu Tyr Arg Pro Gln Ala Ala Leu Asp Leu Val Ser Asp
 1 5 10 15
 Thr Ser Asp Gln Lys Lys Pro Val Leu Arg Val Arg Gly Val Gly Pro
 20 25 30
 Arg Cys Leu Gly Pro Ala His Arg Gly Gly Trp Thr Pro Ala Gly Ser
 35 40 45
 Gln Pro Ala Val Thr Ser Gly Leu Leu Ala Ser Ser Ala Ser Gly Leu
 50 55 60
 Leu Gly Ser Pro Ala Leu Cys Pro Ser Val Thr Ser Leu Ser Gly Cys
 65 70 75 80
 Pro Val Leu Ala Ala Leu Ser Phe Val Arg Ile Thr Pro Ser Phe Phe
 85 90 95
 Phe Ser Pro Asn Thr Ser Ser Pro Ile Ile Leu Arg
 100 105

<210> 260
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 260
 Asp Gln Lys Lys Pro Val Leu Arg Val Arg Gly Val Gly Pro Arg Cys
 1 5 10 15
 Leu Gly Pro Ala His Arg Gly Gly Trp Thr Pro Ala
 20 25

<210> 261
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 261
 Gln Pro Ala Val Thr Ser Gly Leu Leu Ala Ser Ser Ala Ser Gly Leu
 1 5 10 15
 Leu Gly Ser Pro Ala Leu Cys Pro Ser Val Thr Ser
 20 25

<210> 262
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 262
 Gln Arg Ile Ile Thr Val Ser Met Glu Asp Val Lys Ile Leu Leu Thr
 1 5 10 15
 Gln Glu Asn Pro Phe Phe Arg Lys Leu Ser Ser Glu Thr Tyr Ser Gln
 20 25 30
 Ala Lys Asp Leu Ala Lys Gly Ser Ile Val Leu Lys Tyr Glu Pro Asp
 35 40 45
 Ser Ala Asn Pro Asp Ala Leu Gln Cys Pro Ile Val Leu Cys Gly Trp
 50 55 60
 Arg Gly Lys Ala Ser Ile Arg Thr Phe Val Pro Lys Asn Glu Arg Leu
 65 70 75 80
 His Tyr Leu Arg Met Met Gly Leu Glu Val Leu Gly Glu Lys Lys Lys
 85 90 95
 Glu Gly Val Ile Leu Thr Asn Glu Ser Ala Ala Ser Thr Gly Gln Pro
 100 105 110
 Asp Asn Asp Val Thr Glu Gly Gln Arg Ala Gly Glu Pro Asn Ser Pro
 115 120 125
 Asp Ala Glu Glu Ala Asn Ser Pro Asp Val Thr Ala Gly Cys Asp Pro
 130 135 140
 Ala Gly Val His Pro Pro Arg
 145 150

<210> 263
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 263

Asp Val Lys Ile Leu Leu Thr Gln Glu Asn Pro Phe Phe Arg Lys Leu
 1 5 10 15

Ser Ser Glu Thr Tyr Ser Gln Ala Lys
 20 25

<210> 264

<211> 28

<212> PRT

<213> Homo sapiens

<400> 264

Ala Lys Gly Ser Ile Val Leu Lys Tyr Glu Pro Asp Ser Ala Asn Pro
 1 5 10 15

Asp Ala Leu Gln Cys Pro Ile Val Leu Cys Gly Trp
 20 25

<210> 265

<211> 28

<212> PRT

<213> Homo sapiens

<400> 265

Leu His Tyr Leu Arg Met Met Gly Leu Glu Val Leu Gly Glu Lys Lys
 1 5 10 15

Lys Glu Gly Val Ile Leu Thr Asn Glu Ser Ala Ala
 20 25

<210> 266

<211> 25

<212> PRT

<213> Homo sapiens

<400> 266

Ala Gly Glu Pro Asn Ser Pro Asp Ala Glu Glu Ala Asn Ser Pro Asp
 1 5 10 15

Val Thr Ala Gly Cys Asp Pro Ala Gly
 20 25

<210> 267

<211> 14

<212> PRT

<213> Homo sapiens

<400> 267

Ile Leu Phe Ala Ala Ser Lys Gly Asp Asp Phe Gln Ala Asp
 1 5 10

<210> 268

<211> 14

<212> PRT
 <213> Homo sapiens

<400> 268
 Ile Leu Phe Ala Ala Ser Lys Gly Asp Asp Phe Gln Ala Asp
 1 5 10

<210> 269
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 269
 Leu Tyr Ala Gln Lys Leu Gly Ala Thr Cys Phe Cys Thr Asp Cys Arg
 1 5 10 15

Ser Lys

<210> 270
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 270
 Ala Gly Ile Gln His Glu Leu Ala Cys Asp Asn Pro Gly Leu Pro Glu
 1 5 10 15

Asn Gly Tyr Gln Ile Leu Tyr Lys Arg Leu Tyr Leu Pro Gly Glu Ser
 20 25 30

Leu Thr Phe Met Cys Tyr Glu Gly Phe Glu Leu Met Gly Glu Val Thr
 35 40 45

Ile Arg Cys Ile Leu Gly Gln Pro Ser His Trp Asn Gly Pro Leu Pro
 50 55 60

Val Cys Lys Val Ala Glu Ala Ala Ala Glu Thr Ser Leu Glu Gly Gly
 65 70 75 80

Asn

<210> 271
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 271
 Gln Pro Ser His Trp Asn Gly Pro Leu Pro Val Cys Lys Val Ala Glu
 1 5 10 15

Ala Ala Ala Glu Thr Ser Leu Glu Gly Gly Asn
 20 25

<210> 272

<211> 13

<212> PRT

<213> Homo sapiens

<400> 272

Tyr Glu Thr Gly Glu Thr Arg Glu Tyr Glu Val Ser Ile
 1 5 10

<210> 273

<211> 26

<212> PRT

<213> Homo sapiens

<400> 273

Trp Val Glu Lys Gly Glu Arg Gly Val Gly Pro Asp Thr Lys Glu Met
 1 5 10 15

Phe Ser Ala Ile Asn Gln Leu Gln Asn Lys
 20 25

<210> 274

<211> 16

<212> PRT

<213> Homo sapiens

<400> 274

Gly Thr Ser Pro Lys Cys Trp Asp Tyr Arg Glu Leu Met Lys Val Glu
 1 5 10 15

<210> 275

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 275

His Glu Pro Lys Val Leu Gly Leu Gln Gly Val Asp Glu Ser Gly Asp
 1 5 10 15

Val Phe Arg Ala Thr Tyr Ala Ala Phe Arg Cys Ser Pro Ile Ser Gly
 20 25 30

Leu Leu Glu Ser His Gly Ile Gln Lys Val Ser Ile Thr Phe Xaa Pro
 35 40 45

Arg Gly Arg Gly

50

<210> 276

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 276

Asp	Tyr	Xaa	Gln	Phe	Trp	Asp	Val	Glu	Cys	His	Pro	Leu	Lys	Glu	Pro
1				5						10				15	

His	Met	Lys	His	Thr	Leu	Arg	Phe	Gln	Leu	Ser	Gly	Gln	Ser	Ile	Glu
			20					25					30		

Ala	Glu	Asn	Glu	Pro	Glu	Asn	Ala	Cys	Leu	Ser	Thr	Asp	Ser	Leu	Ile
		35					40					45			

Lys	Ile	Asp
	50	

<210> 277

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 277

His	Leu	Val	Lys	Pro	Arg	Arg	Gln	Ala	Val	Ser	Glu	Ala	Ser	Ala	Arg
1				5					10					15	

Ile	Pro	Asp	Xaa	Gln	Leu	Asp	Val	Thr	Ala	Arg	Gly	Val	Tyr	Ala	Pro
				20				25					30		

Glu	Asp	Val	Tyr	Arg	Phe	Leu	Pro	Thr	Ser	Val	Gly	Glu	Ser	Arg	Thr
		35					40					45			

Leu	Lys	Val
	50	

<210> 278

<211> 34

<212> PRT

<213> Homo sapiens

<400> 278

Asn	Leu	Arg	Asn	Asn	Ser	Phe	Ile	Thr	His	Ser	Leu	Lys	Phe	Leu	Ser
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----


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<210> 279
<211> 47
<212> PRT
<213> Homo sapiens
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<400> 279
Glu Asn Leu Ser Thr Ser Cys Val Ser Cys Gln Val Val Phe Val Thr
 1                      5                      10                     15
Ser Glu Pro Ala Leu Thr Leu Pro Thr Tyr His Val Met Leu Ile Ser
                20                      25                     30
Pro Thr Val Pro Cys Cys Ile Gly Ser Ala Leu Arg Ala Glu Ile
 35                      40                     45

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<210> 280
<211> 195
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (161)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 280
 Asp Asp Asp Gly Leu Pro Phe Pro Thr Asp Val Ile Gln His Arg Leu
 1 5 10 15
 Arg Gln Ile Glu Ala Gly Tyr Lys Gln Glu Val Glu Gln Leu Arg Arg
 20 25 30
 Gln Val Arg Asp Ser Asp Glu Xaa Gly His Pro Ser Leu Leu Cys Pro
 35 40 45
 Ser Ser Arg Ala Pro Met Asp Tyr Glu Asp Asp Phe Thr Cys Leu Lys
 50 55 60
 Glu Ser Asp Gly Ser Asp Thr Glu Asp Phe Gly Ser Asp His Ser Glu
 65 70 75 80
 Asp Cys Leu Ser Glu Ala Ser Trp Glu Pro Val Asp Lys Lys Glu Thr
 85 90 95

Glu Val Thr Arg Trp Val Pro Asp His Met Ala Ser His Cys Tyr Asn
 100 105 110

Cys Asp Cys Glu Phe Trp Leu Ala Lys Arg Arg His His Cys Arg Asn
 115 120 125

Cys Gly Asn Val Phe Cys Ala Gly Cys Cys His Leu Lys Leu Pro Ile
 130 135 140

Pro Asp Gln Gln Leu Tyr Asp Pro Val Leu Val Cys Asn Ser Cys Tyr
 145 150 155 160

Xaa Thr His Ser Ser Leu Ser Cys Gln Gly Thr His Glu Pro Thr Ala
 165 170 175

Glu Glu Thr His Cys Tyr Ser Phe Gln Leu Asn Ala Gly Glu Lys Pro
 180 185 190

Val Gln Phe
 195

<210> 281

<211> 28

<212> PRT

<213> Homo sapiens

<400> 281

Ser Glu Ala Ser Trp Glu Pro Val Asp Lys Lys Glu Thr Glu Val Thr
 1 5 10 15

Arg Trp Val Pro Asp His Met Ala Ser His Cys Tyr
 20 25

<210> 282

<211> 10

<212> PRT

<213> Homo sapiens

<400> 282

His His Cys Arg Arg Cys Gly Asn Val Phe
 1 5 10

<210> 283

<211> 14

<212> PRT

<213> Homo sapiens

<400> 283

Arg Leu Arg Gln Ile Glu Ala Gly Tyr Lys Gln Glu Val Glu
 1 5 10

<210> 284

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 284

Val	Asn	Lys	Ser	Asn	Gly	Arg	Xaa	His	Gly	Arg	Arg	Ala	Tyr	Arg	Xaa
1				5					10					15	

Ser	Leu	Ser	Ile	Ala	Phe	Pro	Arg	Lys	Pro	Gln	Phe	Arg	His	Arg	Ser
			20					25					30		

Pro	Glu	Val	Ser	Pro	Ser	Asp	Leu
		35				40	

<210> 285

<211> 39

<212> PRT

<213> Homo sapiens

<400> 285

Ser	Pro	Ile	Pro	Ser	Glu	Glu	Val	Lys	Glu	Ile	Pro	His	Arg	Tyr	Arg
1				5					10					15	

Gly	Ser	Arg	Cys	Pro	Arg	Thr	Ser	Asn	Ser	Arg	Phe	Gly	Pro	Arg	Arg
			20					25					30		

Leu	Ala	Pro	Thr	Ser	Thr	Thr
		35				

<210> 286

<211> 39

<212> PRT

<213> Homo sapiens

<400> 286

Ser	Pro	Ile	Pro	Ser	Glu	Glu	Val	Lys	Glu	Ile	Pro	His	Arg	Tyr	Arg
1				5					10					15	

Gly	Ser	Arg	Cys	Pro	Arg	Thr	Ser	Asn	Ser	Arg	Phe	Gly	Pro	Arg	Arg
			20					25					30		

Leu	Ala	Pro	Thr	Ser	Thr	Thr
		35				

<210> 287

<211> 14

<212> PRT

<213> Homo sapiens

<400> 287

Trp Gln Glu Ala Glu Met Asp Met Ala Trp Gln Lys Ser Ile

1

5

10

<210> 288

<211> 20

<212> PRT

<213> Homo sapiens

<400> 288

Met Ala Ser Ser Asp Glu His Ser Ser Ile Leu Gln Gly Leu Leu Ser

1

5

10

15

His His Ser Leu

20

<210> 289

<211> 44

<212> PRT

<213> Homo sapiens

<400> 289

Lys Arg Gln Pro Thr Ser Ala Met Lys Asp Pro Ser Arg Ser Ser Thr

1

5

10

15

Ser Pro Ser Ile Ile Asn Glu Asp Val Ile Ile Asn Gly His Ser His

20

25

30

Glu Asp Asp Asn Pro Phe Ala Glu Tyr Met Trp Met

35

40

<210> 290

<211> 45

<212> PRT

<213> Homo sapiens

<400> 290

Glu Asn Glu Glu Glu Phe Asn Arg Gln Ile Glu Glu Glu Leu Trp Glu

1

5

10

15

Glu Glu Phe Ile Glu Arg Cys Phe Gln Glu Met Leu Glu Glu Glu Glu

20

25

30

Glu His Glu Trp Phe Ile Pro Ala Arg Asp Leu Pro Gln

35

40

45

<210> 291

<211> 45

<212> PRT

<213> Homo sapiens

<400> 291

Thr Met Asp Gln Ile Gln Asp Gln Phe Asn Asp Leu Val Ile Ser Asp
 1 5 10 15

Gly Ser Ser Leu Glu Asp Leu Val Val Lys Ser Asn Leu Asn Pro Asn
 20 25 30

Ala Lys Glu Phe Val Pro Gly Val Lys Tyr Gly Asn Ile
 35 40 45

<210> 292

<211> 87

<212> PRT

<213> Homo sapiens

<400> 292

Met Ser His Cys Ala Arg Pro Leu Phe Phe Glu Thr Phe Phe Ile Leu
 1 5 10 15

Leu Ser Pro Arg Leu Lys Cys Ser Gly Thr Asn Thr Val His Tyr Ser
 20 25 30

Leu Asp Leu Leu Gly Ser Ser Asn Ser Ala Ser Val Pro Gln Val Gly
 35 40 45

Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu Ile Phe Val Phe Cys
 50 55 60

Val Cys Val Cys Glu Pro Leu Arg Arg Pro Trp Ala Ala Phe Leu Ile
 65 70 75 80

Ser Val Thr Ser Ser Ile Lys
 85

<210> 293

<211> 30

<212> PRT

<213> Homo sapiens

<400> 293

Val Pro Gln Val Gly Gly Leu Thr Asn Ala Gln His Asp Thr Trp Leu
 1 5 10 15

Ile Phe Val Phe Cys Val Cys Val Cys Glu Pro Leu Arg Arg
 20 25 30

<210> 294

<211> 16

<212> PRT

<213> Homo sapiens

<400> 294

Pro Arg Asp Leu Pro Ala Ser Ala Ser Gln Ser Ala Arg Ile Thr Gly
 1 5 10 15